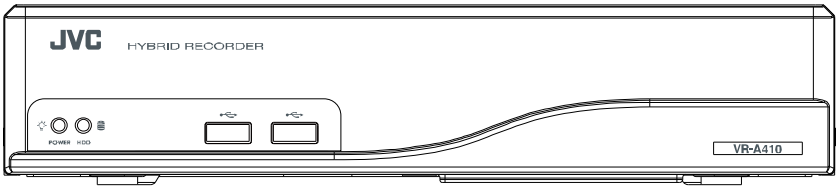
JVC

ハイブリッドレコーダー

型名 **VR-A410**

取扱説明書



お買い上げありがとうございます。
ご使用の前にこの**「取扱説明書」**をよくお読みのうえ、正しくお使いください。特に**「安全上のご注意」**は必ずお読みいただき、安全にお使いください。お読みになったあとは大切に保管し、必要なときお読みください。
製造番号は品質管理上重要なものです。お買い上げの際は本機に製造番号が正しく記されているか、またその製造番号と保証書に記載されている製造番号が一致しているかお確かめください。

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

B5A-1444-00

第１章　はじめに

1.1　安全上のご注意

ご使用の前にこの「安全上のご注意」をよくお読みの上、正しくお使いください。お読みになったあとは、いつでも見られる所に大切に保管してください。

絵表示について

この取扱説明書と製品には、いろいろな絵表示が記載されています。これらは、製品を安全に正しくお使いいただき、お客様や他の人々への危害や財産の損害を未然に防止するための表示です。絵表示の意味をよく理解してから本文をお読みください。

⚠ 警告	この表示（文字含む）を無視して、誤った取り扱いをすると、人が死亡または重傷を負う可能性が想定される内容を示しています
⚠ 注意	この表示（文字含む）を無視して、誤った取り扱いをすると、人が傷害を負ったり、物的損害の発生が想定される内容を示しています

■絵表示の説明

●注意（警告を含む）が必要なことを示す記号

一般的注意

感電注意

手をはさまれないよう注意

●してはいけない行為（禁止行為）を示す記号

禁止

水場での使用禁止

ぬれ手禁止

接触禁止

分解禁止

水ぬれ禁止

●必ずしてほしい行為（強制・指示行為）を示す記号

電源プラグを抜く

一般的指示

警告

異常が発生したとき

万一、次のような異常が発生したときは、そのまま使用しない

火災や感電の原因となります。

- 煙が出ている、へんなにおいがするなどの異常のとき。
- 画面が映らない、音がでないなどの故障のとき。
- 内部に水や物が入ってしまったとき。
- 落としたり、キャビネットが破損したとき。

- 電源コードが傷んだとき。（芯線の露出、断線など）

このようなときは、すぐに電源を切り、電源プラグをコンセントから抜いてください。煙が出ているときは、止まったのを確かめてから販売店に修理を依頼してください。
お客様ご自身が修理することは危険です。絶対にやめてください。

設置について

不安定な場所に置かない

ぐらついている台の上や傾いた所に置かないでください。落ちたり、倒れたりしてけがをする原因となります。

通風孔をふさがない

通風孔をふさぐと、内部に熱がこもり火災の原因となります。
次のことに注意してください。

- 押し入れ、本箱などの狭いところに入れない。
- じゅうたんや布団の上に置かない。
- テーブルクロスなどを掛けない。
- 横倒し、逆さまにしない。

この機器の上に水の入ったもの（花びん、植木鉢、コップ、化粧品、薬品など）を置かない

機器の内部に水が入ると、火災や感電の原因となります。

警告

電源や電源コードについて

表示された電源電圧（交流 100 V 以上）以外で使用しない

火災や感電の原因となります。

船舶などの直流［DC］電源に接続しない

火災の原因となります。

トラックやバスなどの DC24V 電源に接続しない

火災の原因となります。

雷が鳴りだしたら、アンテナ線や電源プラグに触れない

感電の原因となります。

電源コードを傷つけない

電源コードを傷つけると、火災や感電の原因となります。

- 電源コードを加工しない。
- 無理に曲げたり、ねじったり、引っ張ったりしない。
- 電源コードの上に機器本体や重いものをのせない。
- 電源コードを熱器具に近づけない。

電源プラグやコンセントにほこりや金属が付着したまま使用しない

ショートや発熱により、火災や感電の原因となります。半年に一度はプラグを抜いて乾いた布でふいてください。

⚠ 警告

取り扱いについて

内部に物をいれない

通風孔やハードディスクドライブキャリア挿入口などから、金属類や燃えやすいものなどが入ると、火災や感電の原因となります。特に小さいお子様のいるご家庭では注意してください。

この機器の（裏ぶた、カバー、キャビネット）は外したり、改造しない

内部には電圧の高い部分があり、火災や感電の原因となります。内部の点検、修理は販売店に依頼してください。

風呂場など水のある場所で使わない

機器の内部に水が入ると、火災や感電の原因となります。また、雨天、降雪中、海岸、水辺で使用するときはご注意ください。

⚠ 注意

設置について

次のような場所に置かない

火災や感電の原因となることがあります。

- 湿気やほこりの多い所
- 調理台や加湿器のそばなど、湯煙や湯気が当たる所
- 熱器具の近くなど
- 窓を閉めきった自動車の中や直射日光が当たって温度が上がる所
- 窓ぎわなど水滴の発生しやすい所

⚠注意

次のような場所に置かない

誤動作や故障の原因となります。

- 許容動作温度（5 ℃ ～ 40 ℃）範囲外の暑いところや寒いところ
- 許容動作湿度（30 %RH ～ 80 %RH）範囲外の湿気の多いところ（結露なきこと）
- 変圧器やモーターなど強い磁気を発生するところ
- トランシーバーや携帯電話など電波を発生する機器の近く
- ほこりや砂の多いところ
- 振動の激しいところ
- 窓ぎわなど水滴の発生しやすいところ
- 厨房など蒸気や油分の多いところ
- 放射線やX線、および塩害や腐食性ガスの発生するところ
- プールなど、薬剤を使用するところ

この機器の上に重い物を置かない

重いものや本体からはみ出るような大きな物を置くと、バランスがくずれて倒れたり落ちたりして、けがの原因となることがあります。

機器を重ねて使用しない

お互いの熱やノイズの影響で誤動作したり故障したり、火災の原因となることがあります。

テレビ、オーディオ機器、ビデオ機器、ゲーム機、スピーカーなどの機器を接続する場合は、各機器の取扱説明書をよく読み、電源を切り、説明書に従って接続する

接続には指定のコードを使用してください。指定以外のコードを使用したりコードを延長したりすると発熱し、やけどの原因となることがあります。

⚠注意

電源や電源コードについて

電源プラグはコードの部分を持って抜かない

電源コードを引っ張ると、コードに傷がつき、火災・感電の原因となることがあります。
プラグの部分を持って抜いてください。

ぬれた手で電源プラグを抜き差ししない

感電の原因となることがあります。

移動するときは、電源プラグや接続コード類をはずす

接続したまま移動すると、コードに傷がつき、火災や感電の原因となることがあります。

電源プラグは、根元まで差し込んでもゆるみがあるコンセントには接続しない

発熱して火災の原因となることがあります。販売店や電気工事店にコンセントの交換を依頼してください。

電源コードは、本機に付属のもの以外を使用しない
また、付属のコードは本機以外の機器で使わない

必ず本機に付属のものをご使用ください。耐圧の異なるコードや、傷ついたコードを使用すると、火災や感電の原因になります。

取り扱いについて

この機器の上に乗らない、ぶら下がらない

倒れたり、こわれたりしてけがの原因となることがあります。特に小さいお子様のいるご家庭では注意してください。

長期間使用しないときは、電源プラグを抜く

安全および節電のため、電源プラグを抜いてください。

ハードディスクドライブキャリア挿入口に手を入れない

手をはさまれて、けがの原因となることがあります。特に小さなお子様のいるご家庭では注意してください。

⚠注意

この機器の包装に使用しているポリ袋は、小さなお子様の手の届くところに置かない

頭からかぶると窒息の原因となります。

お手入れについて

2～3年に一度は内部の掃除を販売店に依頼する

内部にホコリがたまったまま使用すると、火災の原因となることがあります。
特に、湿気の多くなる梅雨期の前に行うと、より効果的です。

お手入れするときは電源プラグを抜く

感電の原因となることがあります。

本機は柔らかい布でふく

シンナーやベンジンでふくと、表面がとけたり、くもったりします。汚れがひどいときは、
水でうすめた中性洗剤を布につけてふき、あとでからぶきしてください。

音声・スピーカーについて

聞き終わったら、電源を切る前に、音量を下げる（電子ボリュームの場合）

音量が上がっていると、電源を入れたとき突然大きな音が出て聴力傷害などの原因となることがあります。

ヘッドホンを使用するときは、音量を上げすぎない

耳を刺激するような大きな音量で長時間続けて聞くと、聴力に悪い影響を与えることがあります。

長時間、音がひずんだ状態で使わない

スピーカーが発熱し、火災の原因となることがあります。

1.2 正しくお使いいただくためのご注意

保管および使用場所

- 本機および本機に接続したケーブルが強い電波や磁気の発生するところ（例：ラジオ、テレビ、変圧器、モニターなどの近く）で使用された場合、画像にノイズが入ったり、色彩が変わることがあります。

取り扱いについて

- 本機を縦置きで使用しないでください。

著作権について

- 本機で録画・録音したものを営利目的、または公衆に視聴することを目的として放映することは、著作権法上で保護されている著作者の権利を侵害する恐れがありますのでご注意ください。
- テレビ放送や録画（録音）物などから記録したものは、個人として楽しむほかは、著作権上権利者に無断で使用できません。
- 録画（録音）したものは、個人として楽しむなどのほかは著作権上、権利者に無断で使用できません。
- 本書に記載されたその他すべての製品および社名は、識別と説明の用途にのみ使用されたものであり、これらは該当する所有者の商標または登録商標です。
- 本書のいかなる部分は、事前に文書による許諾を得ることなく、いかなる方法によっても無断で複製、送信、複写、翻訳、情報検索システムへの保管、翻訳することは禁止されています。

正しくお使いいただくためのご注意

ハードディスクドライブについて

- 本機は精密機器であるハードディスクドライブ（以下　HDD）を搭載しております。振動や衝撃を与えないよう取り扱いには十分ご注意ください。特に通電中や HDD へのアクセス中に振動を与えると、故障の原因となりますので十分ご注意ください。

- HDD のデータを読み書きするヘッドとディスクの距離はわずか 0.02μm 程度です。HDD に振動や衝撃が与えられた場合、ヘッドがディスクに衝突し、ディスクの表面に打痕やディスクのかけらが発生することになります。これにより、データが読み出せなくなるばかりか、使用しつづけますとヘッドクラッシュ（損傷）に陥る原因になりますので、取り扱いには十分ご注意ください。

- **設置および設置場所の移動について**
  通電中や電源を切った直後（約1分間）は、移動や設置作業は絶対に行わないでください。電源を切っても、HDD はしばらくのあいだは惰性で回転しているため、この間振動や衝撃を与えると HDD の故障の原因になることがあります。衝撃を与えないように緩衝材などで包んで移動させてください。

- HDD は消耗部品です。使用環境により異なりますが、周囲温度 25 ℃で使用した場合、18,000 時間をめやすに交換することをおすすめします。（ただし、この時間はめやすであり、HDD の寿命を保証するものではありません。）メンテナンスの計画、費用などのご相談は、ご購入先の販売店、または最寄のサービス窓口へお願いします。

- HDD のフォーマットや切断処理をしているときに停電が発生すると、その後の運用に支障が生じることがあります。

- 万一本機、および HDD などの不具合により、正常に記録できなかったり、再生できなかった場合、その内容の補償についてはご容赦ください。

- HDD を交換した場合は、記録された画像が消去されます。また、本機のソフトウェアのバージョンアップによって、記録画像が消去されることがありますので、ご注意ください。

- HDD の増設および容量の変更はできません。

正しくお使いいただくためのご注意

免責事項

- 本書に記載された内容、品質、性能、市販製、特定の目的との適合性に関し、当社は明示または暗示の保証、表現をしません。本書に記載された情報については十分に信頼性が確認されていますが、記載内容の誤りに対し当社は一切の責任を負いません。本書に記載された情報は予告なしに変更される場合があります。
- いかなる場合も、損害が生じる可能性について報告を受けていたとしても、本製品または本書の使用または使用できないことから生じる直接的、間接的、偶発的、特殊なまたは派生的ないかなる損害に対しても責任を負わないものとします。

その他

- 落雷などにより電源電圧が変動した場合、システム保護のため電源電圧が安定するまで操作できないことがあります。
- 機器設置等で入出力端子に触れる際にはあらかじめ静電気を除去した後、作業を行なってください。
- 静電気により誤動作をする場合がありますので、動作中は本機のリアパネルに触れないでください。
- 本機との接続に使用する LAN ケーブルはシールドケーブルの使用を推奨しています。シールドケーブル使用にて安全性、信頼性の確認を行なっています。
- ファンが停止した場合、または交換の際には、本機の電源を切り、最寄りのサービス窓口へお問い合わせください。
- ユーザー名とパスワードについて
  工場出荷時のユーザー名とパスワードは、広く公開されているため変更せずに使用していると大変危険です。
  容易に推測されない文字と数字を組み合わせたユーザー名とパスワードに設定してください。
  また、ユーザー名とパスワードは、定期的に変更してください。

この装置は、クラスA情報技術装置です。
この装置を家庭環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。

VCCI-A

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1.3 この取扱説明書の見かた

● **本文中の記号の見かた**

機能や使用上の制限など、参考になる内容が書かれています。

参考ページや参照項目を示しています。

ご注意　操作上の注意が書かれています。

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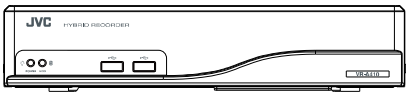
1.4 本機で使用するソフトウェアについて

本機を違う場所から遠隔操作にてご使用になる場合は、添付 CD-ROM に収録されている「CM5000 セントラルマネージメントシステム」をご利用ください。

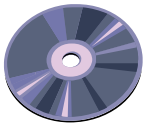
第2章　ハードウェアの導入

2.1　同梱物



(1)

(2)



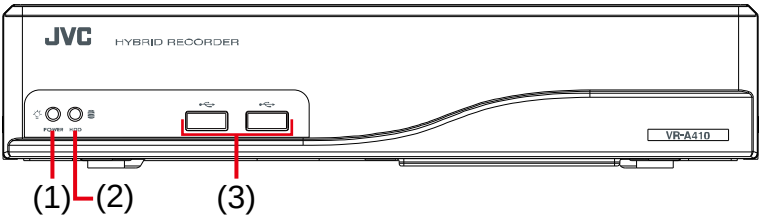
(3)

(4)

(5)

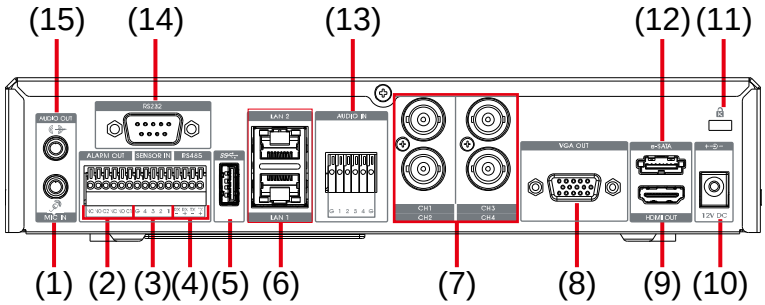
- ☐ (1) VR-A410 装置
- ☐ (2) クイックユーザーガイド
- ☐ (3) CD-ROM（取扱説明書、ソフトウェア付属）
- ☐ (4) AC アダプター
- ☐ (5) 電源ケーブル

2.2　前面パネル



Name	Function
(1) 電源 LED	システムの電源が入っている時に点灯します。
(2) アクセス LED	内蔵 HDD アクセス時に点滅します。
(3) USB 端子（USB2.0）	USB デバイス接続用 USB 端子×2、 USB メモリー（別売）、キーボード（別売）、マウス（別売）。
	USB メモリーは、FAT32 でフォーマットされている必要があります。

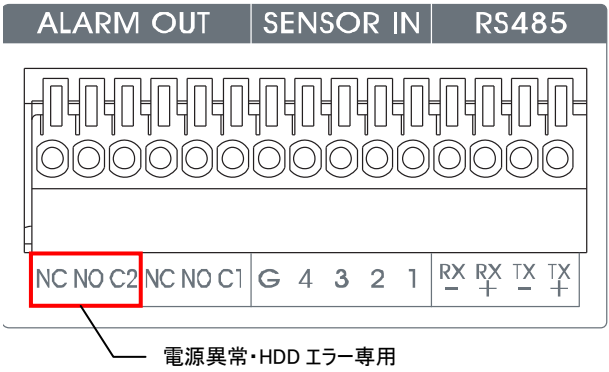
2.3 背面パネル



Name	Function
(1) マイク入力端子	非対応
(2) アラーム出力	NO(メイク接点)または NC(ブレイク接点)タイプのアラーム信号を出力します。 (C2 端子は電源異常と HDD エラー専用です。)
(3) センサー(アラーム)入力	最大 4 つのセンサー(アラーム)入力を接続します。
(4) RS485 端子	非対応
(5) USB 端子(USB3.0)	USB デバイスを接続できます。 USB メモリー(別売)、キーボード(別売)、マウス(別売)。
USB メモリーは、FAT32 でフォーマットされている必要があります。	
(6) ネットワーク端子	RJ-45 ネットワークケーブルでネットワークに接続します。 IP アドレスの初期値は以下の通りです。 LAN1 : 192.168.0.253/LAN2 : 192.168.1.253
(7) 映像入力端子	アナログカメラの映像出力信号を接続します。
(8) VGA(アナログ RGB)出力端子	映像信号を LCD モニターに接続します。 デュアルモニターを設定する。(☞ 詳細は、第 4.5.5 章 をご覧ください。)
(9) HDMI 出力端子	HDMI モニターに接続します。
(10) 電源入力端子	付属の AC アダプターを接続します。
(11) ロック孔	盗難防止用に使用します。
(12) eSATA 端子	非対応
(13) 音声入力	マイクなど音声入力デバイスを接続します。
(14) RS232 端子	非対応
(15) 音声出力端子	スピーカーなど音声出力デバイスを接続します。
音声入力または出力デバイスは、別途電源が必要です。	

2.4 アラーム、センサーおよび RS485 端子の定義

本機では、4 個のセンサー入力および 2 個のアラーム出力に接続できます。
センサー（アラーム）入力／出力インターフェースは次の通りです。



センサー（アラーム）からの信号により、アラーム動作を行ないます。

■ アラーム出力端子の定義

端子	定義
NC	ブレイク接点（電源異常、HDD エラー専用） 通常：OPEN、電源異常・HDD エラー時：CLOSE
NO	メイク接点（電源異常、HDD エラー専用） 通常：CLOSE、電源異常・HDD エラー時：OPEN
C2	共通接点 2（電源異常、HDD エラー専用）
NC	ブレイク接点
NO	メイク接点
C1	共通接点 1

■ センサー入力端子の定義（メイク時間は 500msec 以上必要です。メイク時に high が入力されます。）

端子	定義
G	センサーグランド
1	センサー 1 信号
2	センサー 2 信号
3	センサー 3 信号
4	センサー 4 信号

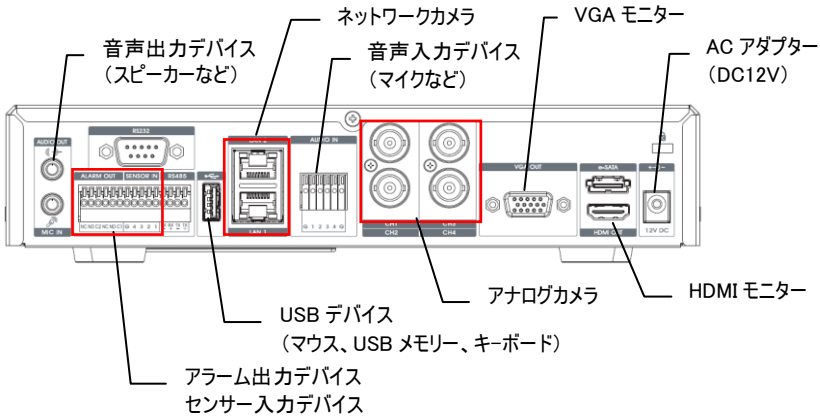
■ RS485 用端子の定義

この端子への接続は対応しておりません。

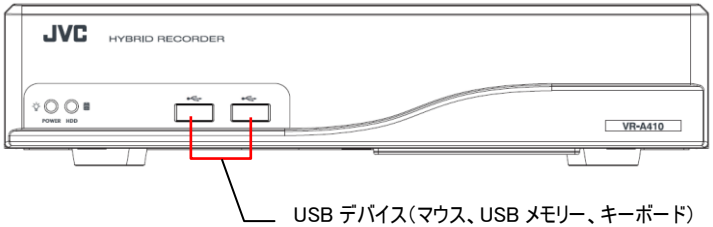
第３章　デバイスの接続

本機の背面パネルにおいて、アナログカメラとネットワークカメラを組み合わせて最大 4 台のカメラを接続できます。
4 台のセンサーデバイス、1 台のアラームデバイスを接続でき、映像をモニターに出力することができます。
下図を参考に各機器を接続してください。

■　背面



■　前面

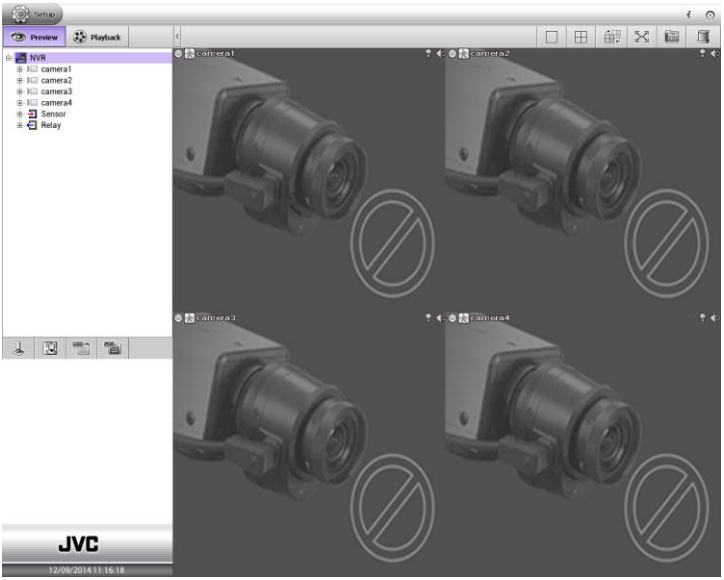


LAN ケーブルは、カテゴリー5 以上の STP（シールドタイプ）をご使用ください。

第4章　主なシステム構成

4.1　本機にログインする

1. 本機の電源入力端子に AC アダプターと、背面または前面の USB 端子にマウスやキーボードを接続します。
2. 電源ケーブルをコンセントに接続し、本機の電源を入れます。
3. システム起動処理が完了するまで待ちます。
4. ログインに成功すると、プレビュー画面が表示されます。



本機は自動ログインで初期設定されています。
手動でログインをする。（ 詳細は、第 4.5.2.2 章 をご覧ください。）

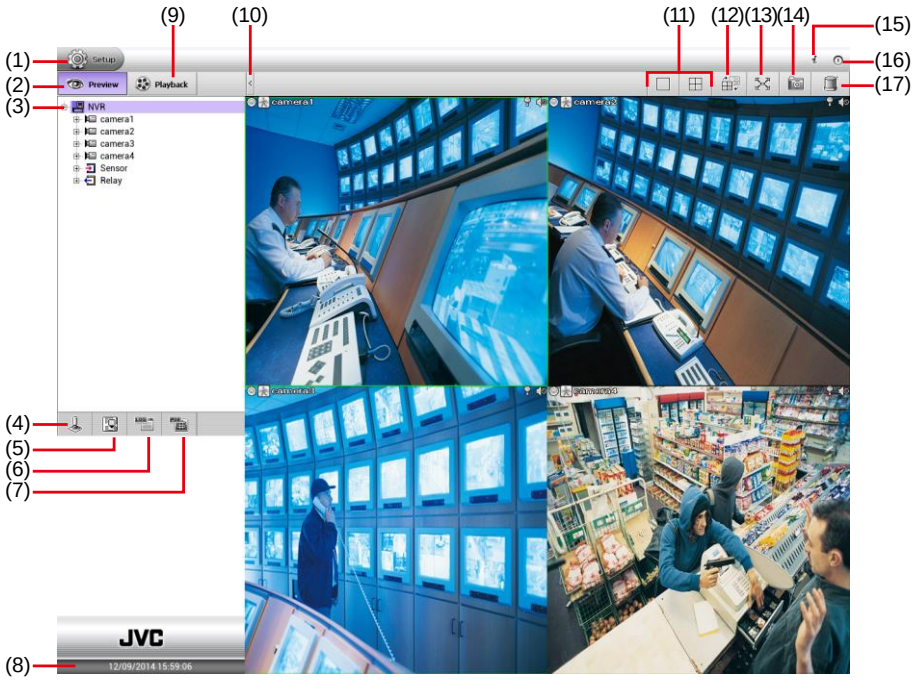
5. 次に、以下の項目を設定します。
   - **システムの日付と時刻のセットアップ**：正確な記録時刻と日付を得るために、日付と時刻をセットアップします。
     （☞ 詳細は、第 4.5.1 章 をご覧ください。）
   - **ネットワーク設定の構成**：使用しているネットワークと同じ IP セグメントである本機の IP アドレスを設定します。
     （☞ 詳細は、第 4.6 章 をご覧ください。）
   - **カメラ接続**：アナログカメラやネットワークカメラの接続を設定します。
     （☞ 詳細は、第 4.8 章 をご覧ください。）
   - **記録スケジュールのセットアップ**： 記録を開始するための記録スケジュールを設定します。
     （☞ 詳細は、第 4.9 章 をご覧ください。）
6. 本機システムに関する、より詳細な構成については、以下の各章をご覧ください。

4.1.1 ダイアログボックスのアイコンについて

本機システムを介してダイアログボックスに表示されるアイコンは、次の通りです。

	画面上でダイアログボックスを拡大する。
	ダイアログボックスを閉じる。

4.2 プレビュー画面ボタンの名称と説明



名称	機能
(1) Setup（セットアップ）	システム、ユーザー設定、E マップ、録画、カメラ管理、およびアラームの設定などを行います。
(2) Preview（プレビュー）	プレビュー（ライブ）モードに切り換えます。
(3) カメラリスト	本機に設定したカメラ、センサー、アラームをリスト表示します。カメラを選択して映像表示領域にドラッグすることで、レイアウトを配置できます。 （ ☞ 詳細は、第 5.1 章 をご覧ください。）
(4) PTZ 操作	PTZ コントロールパネルを呼び出し、PTZ カメラを制御します。 （ ☞ 詳細は、第 4.8.4 章 をご覧ください。）
(5) E マップ	E マップ上でカメラ、センサー、リレーを表示します。 （ ☞ 詳細は、第 5.7 章 をご覧ください。）
(6) イベントログビューア	本機のイベントログを検索し、表示します。 （ ☞ 詳細は、第 4.17.1 章 をご覧ください。）
(7) POS ログビューア	非対応
(8) 日付と時刻	現在の日付と時刻を表示します。

名称	機能
(9) Playback(再生)	再生モードに切り換わります。これにより、記録した映像ファイルを表示することができます。 (☞ 詳細は、第 4.3 章 をご覧ください。)
(10)「＜」ボタン	カメラリスト領域を非表示にすることにより、カメラ映像領域を拡大します。
(11) 画面選択	1画面表示(1 Channel)または、4分割(4 Channel)画面表示の選択ができます。

4分割画面モードで 1 つの映像のみ表示するには、表示したい映像をダブルクリックします。
(☞ 詳細は、第 5.6 章 をご覧ください。)

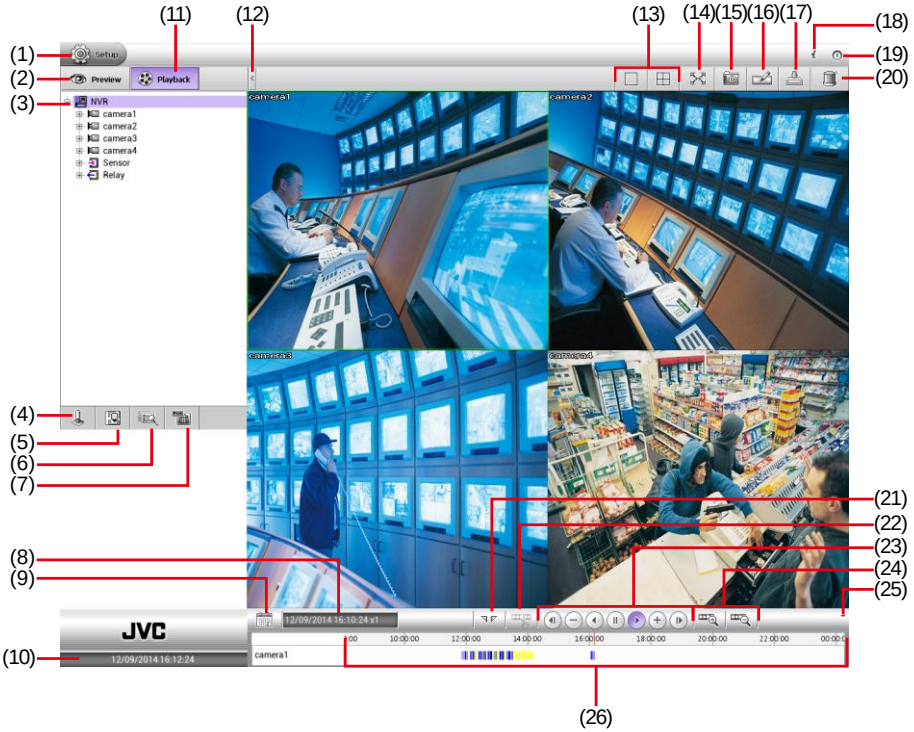
(12) Auto Scan (オートスキャン)	オートスキャン表示の ON/OFF を切り換えます。4 分割画面では動作しません。(☞ 詳細は、第 5.11 章 をご覧ください。)
(13) フルスクリーン (全画面表示)	カメラ映像領域をフル画面で表示します。元の画面表示に戻すには、キーボードの[**ESC**]ボタン、または画面右下の矢印ボタンをクリックします。 (☞ 詳細は、第 5.9 章 をご覧ください。)
(14) スナップショット	静止画像をキャプチャーし、USB メモリーに JPEG ファイルとして保存できます。 (☞ 詳細は、第 5.8 章 をご覧ください。)

スナップショットボタンをクリックする前に、本機に USB メモリーを差し込んでください。

(15) 情報	本機の MAC アドレス、ファームウェアバージョンなどの情報を表示します。
(16) 電源	電源ダイアログボックスが表示され、下記操作を行うことができます。 - **終了**:本機をシャットダウンします。 - **コンパクト**:コンパクトモードに切り換えができます。コンパクトモードでは、機能は制限されます。(☞ 詳細は、第 4.4.1 章 をご覧ください。) - **ログイン**:異なるアカウントにログインできます。 デフォルトのユーザーID[**admin**]とパスワードは、[**jvc**]です。 - **キャンセル**:電源ダイアログボックスを閉じます。
(17) アラームログビューア	**アラームログ**:アラームイベントログを表示し、検索します。 (☞ 詳細は、第 4.17.2 章 をご覧ください。)

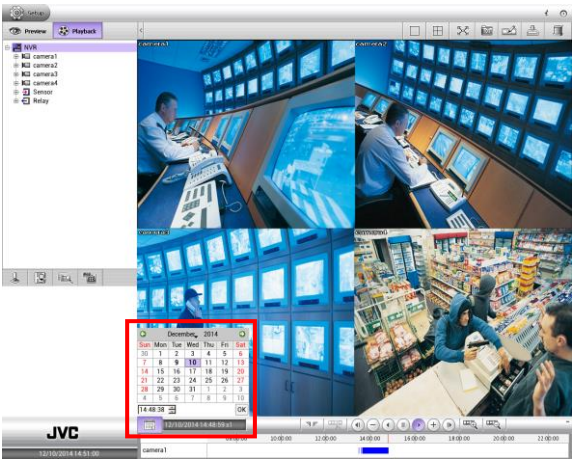
4.3 プレイバック画面ボタンの名称と説明

Playback タブをクリックして、再生モードに切り換えます。



名称	機能
(1) Setup（セットアップ）	システム、ユーザー設定、E マップ、録画、カメラ管理、およびアラームの設定などを行います。
(2) Preview（プレビュー）	プレビュー（ライブ）モードに切り換えます。
(3) カメラリスト	本機に設定したカメラ、センサー、アラームをリスト表示します。 カメラを選択して映像表示領域にドラッグすることで再生できます。 （ ☞ 詳細は、第 6.6.1 章 をご覧ください）。
(4) PTZ	プレイバック（再生）モードでは、PTZ 機能は操作できません。
(5) E マップ	E マップ上でカメラ、センサー、リレーを表示します。 （ ☞ 詳細は、第 5.7 章 をご覧ください。）.
(6) 検索	イベント検索、およびビジュアル検索ができます。 - **イベント検索**：センサー、ビデオロス、動作検知イベントを検索します。 （ ☞ 詳細は、第 6.3 章 をご覧ください。） - **ビジュアル検索：指定した**日付以前の録画データを検索し、その画像を一覧表示します。（ ☞ 詳細は、第 6.4 章 をご覧ください。）

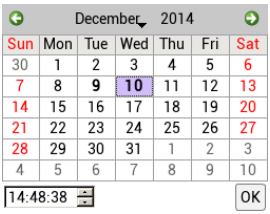
名称	機能
(7) POS ログビューワー	非対応
(8) セントラルタイム	記録された日付、時刻、および再生速度を表示します。
(9) セントラルタイムの設定	録画したビデオファイルの再生を開始する日付と時刻を選択できます。



– **日付**:カレンダーをクリックして選択します。太字テキストは、記録されたファイルが存在することを示します。 や アイコンをクリックして日付を切り換えるか、月の横のアイコン ▼ をクリックすると、月を選択できます。年を切り換えるには、テキストをクリックしスピンボタンで選択します。

– **時刻**:時刻ボックスで、時、分、秒を選択し再生開始時刻を設定します。[OK]ボタンを押すと再生を開始します。

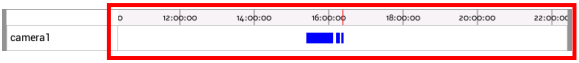
ご注意:セグメントを表示中は再生時刻を変更できません。



(10) 日付と時刻	現在の日付と時刻を表示します。
(11) Playback(プレイバック)	再生モードに切り換えられます。
(12)「＜」ボタン	カメラリスト領域を非表示にすることにより、カメラ映像領域を拡大します。
(13) 画面選択	1画面(1 Channel)表示または、4分割(4 Channel)表示の画面が選択できます。

4 分割画面で 1 つのビデオのみ表示するには、表示したいビデオ画面をダブルクリックします。
(☞ 詳細は、第 6.6.3 章 をご覧ください。)

名称	機能
(14) フルスクリーン （全画面表示）	カメラ映像領域をフル画面で表示します。元の画面表示に戻すには、キーボードの[**ESC**]ボタン、または画面右下の矢印ボタンをクリックします。
(15) スナップショット	静止画像をキャプチャーし、USB メモリーデバイスに JPEG ファイルとして保存できます。(☞ 詳細は、第 6.6.7 章 をご覧ください。)
(16) ブックマーク	プレイバック(再生)ファイル任意の箇所にブックマークを付加することができます。(☞ 詳細は、第 6.5 章 をご覧ください)。
(17) バックアップ	録画データを USB メモリーにバックアップします。 (☞ 詳細は、第 4.11 章 をご覧ください。)
(18) 情報	本機の MAC アドレス、ファームウェアバージョンなどの情報を表示します。
(19) 電源	電源ダイアログボックスが表示され、下記操作を行うことができます。 - **終了**:本機をシャットダウンします。 - **コンパクト**:コンパクトモードに切り換えができます。コンパクトモードでは、機能は制限されます。(☞ 詳細は、第 4.4.2 章 をご覧ください。) - **ログイン**:異なるアカウントにログインできます。 デフォルトのユーザーID[**admin**]とパスワード[**jvc**]です。 - **キャンセル**:電源ダイアログボックスを閉じます。
(20) アラームログビューア	**アラームログ**:アラームイベントを検索します。 (☞ 詳細は、第 4.17.2 章 をご覧ください)。
(21)セグメント	録画された映像の再生を繰り返す範囲を設定します。また、指定した範囲を USB メモリーに映像クリップ出力できます。 ボタンをクリックして、ビデオのセグメントを設定します。 三角形マークをドラッグすると、ビデオのセグメントを設定できます。 (☞ 詳細は、第 6.6.6 章 をご覧ください。)
(22) 映像クリップ出力	画像を「*.DVR」、または「*.MP4」形式で保存することができます。

名称	機能
	（☞ 詳細は、第 6.6.6 章 をご覧ください。）
(23) プレイバック(再生) コントロールボタン	左から右の順に **コマ戻し**：1 秒前の画像に戻ります。 **速度を下げる**：再生スピードを 1/2、1/4、または 1/8 のスピードで再生できます。プレイバック（再生）スピードは画面上に表示されます。 **逆再生**：逆再生します。 **一時停止**：再生を一時停止します。 **再生**：再生します。 **速度を上げる**：再生スピードを 2 倍、4 倍、8 倍、16 倍、32 倍、または 64 倍のスピードで再生します。プレイバック（再生）スピードは画面上に表示されます。 **コマ送り**：次のフレームへ進みます。
(24) 時間軸拡大/ 時間軸縮小	プレイバックタイムバーを拡大、縮小できます。 1 目盛の間隔を 5 分、10 分、30 分、1 時間、2 時間に設定できます。
(25) 最小化	プレイバックタイムバーを閉じます。再度クリックすると開きます。 セグメントが設定されている場合は、動作しません。
(26) プレイバックタイムバー	再生中のファイルの進行状況を表示します。トラックの任意の位置で表示するよう進行バーを移動させることもできます。 時間軸拡大/時間軸縮小ボタンを使用して、プレイバックタイムバーの表示を時間単位から分単位に拡大、縮小することができます。  プレイバックタイムバーの各色の内容は以下となります。 - **赤**：アラーム録画 - **緑**：モーション録画 - **青**：常時録画（通常録画） - **黄**：ビデオロス - **白**：録画データなし

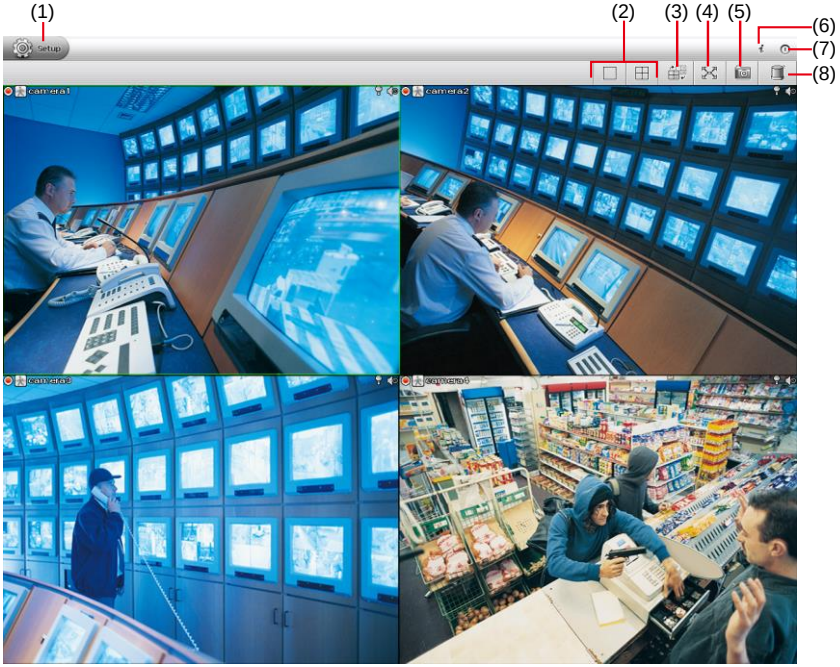
4.4 コンパクトモード

プレビューおよびプレイバック（再生）モードは、コンパクトモード（画面左のリスト表示などが省略されます。）をサポートしています。コンパクトモードに切り換えるには、右上隅にある[電源]ボタンをクリックし、プレビューまたはプレイバック（再生）モードの電源ダイアログボックスで[**コンパクト**]ボタンを選択します。

高度設定モード（通常画面）へ切り換えるには、プレビューまたはプレイバック（再生）モードで再度「電源」ボタンをクリックし、電源ダイアログボックスの[**高度設定**]ボタンを選択します。

以下の章では、プレビューおよびプレイバックモードのコンパクトモードにおけるファンクションボタンについて説明します。

4.4.1 コンパクトモード プレビュー画面ボタンの名称と説明



名称	機能
(1) Setup(セットアップ)	システム、ユーザー設定、E マップ、録画、カメラ管理、およびアラームの設定などを行います。プレイバック(再生)モードへの切り換えにも使用します。
(2) 画面選択	1画面(1 Channel)、または4分割画面(4 Channel)が選択できます。

- 4分割画面表示の時に、カメラのビデオ画面をクリックして、再配置したい場所にドラッグすることができます。
- 4分割画面表示の時に、1つのビデオのみ表示するには、表示したいビデオ画面をダブルクリックします。

(3) オートスキャン	各カメラ映像のオートスキャン表示をする際にクリックします。 4分割画面では動作しません。

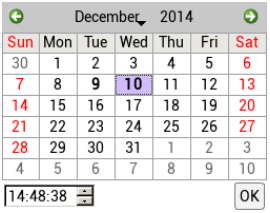
名称	機能
(4) フルスクリーン （全画面表示）	カメラ映像領域をフル画面で表示します。元の画面表示に戻すには、キーボードの[ESC]ボタン、または画面右下の矢印ボタンをクリックします。
(5) スナップショット	静止画像をキャプチャーし、USB メモリーに JPEG ファイルとして保存できます。 （ ☞ 詳細は、第 5.8 章 をご覧ください）。
(6) 情報	本機の MAC アドレス、ファームウェアなどの情報が見れます。
(7) 電源	電源ダイアログボックスが表示され、下記操作を行うことができます。 - **終了**：本機をシャットダウンします。 - **高度設定**：プレビュー画面に切り換わります。 - **ログイン**：異なるアカウントにログインできます。 デフォルトのユーザーID[**admin**]とパスワード[**jvc**]です。 - **キャンセル**：電源ダイアログボックスを閉じます。
(8) アラームログ	**アラームログ**：アラームイベントを検索します。 （ ☞ 詳細は、第 4.17.2 章 をご覧ください。）

4.4.2 コンパクトモード プレイバック画面ボタンの名称と説明

名称	機能
(1) Setup（セットアップ）	システム、ユーザー設定、E マップ、録画、カメラ管理、およびアラームの設定などを行います。プレビュー（ライブ）モードへの切り換えにも使用します。
(2) 画面分割モード	1画面（1 Channel）、または4分割画面（4 Channel）が選択できます。

- 4分割画面表示の時に、カメラのビデオ画面をクリックして、再配置したい場所にドラッグすることができます。
- 4分割画面表示の時に、1つのビデオのみ表示するには、表示したいビデオ画面をダブルクリックします。

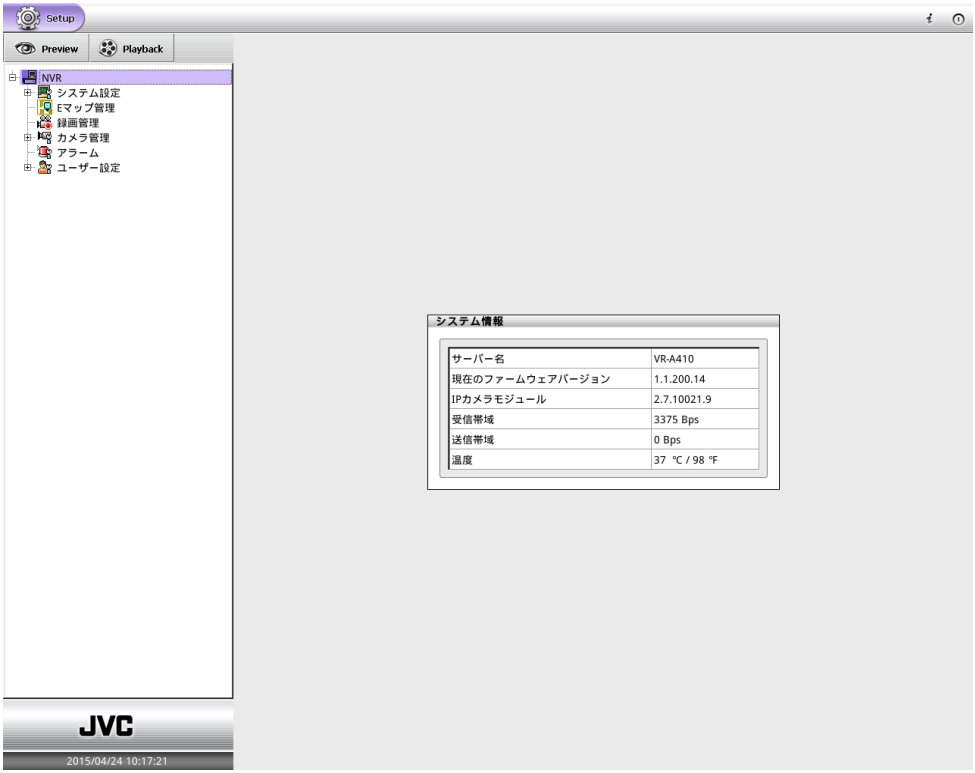
名称	機能
(3) フルスクリーン （全画面表示）	カメラ映像領域をフル画面で表示します。元の画面表示に戻すには、キーボードの[ESC]ボタン、または画面右下の矢印ボタンをクリックします。
(4) スナップショット	静止画像をキャプチャーし、USB メモリーに JPEG ファイルとして保存できます。 （ ☞ 詳細は、第 6.6.7 章 をご覧ください）。
(5) ブックマーク	プレイバック（再生）ファイル任意の箇所にブックマークを付加することができます。（ ☞ 詳細は、第 6.5 章 をご覧ください。）
(6) バックアップ	録画データを USB メモリーにバックアップします。 （ ☞ 詳細は、第 4.11 章 をご覧ください。）
(7) システム情報	本機の MAC アドレス、ファームウェアなどの情報が見れます。
(8) 電源	電源ダイアログボックスが表示され、下記操作を行うことができます。 - **終了**：本機をシャットダウンします。 - **高度設定**：プレイバック（再生）画面に切り換わります。 - **ログイン**：異なるアカウントにログインできます。 デフォルトのユーザーID[**admin**]、パスワード[**jvc**]です。 - **キャンセル**：電源ダイアログボックスを閉じます。
(9) アラームログ	**アラームログ**：アラームイベントを検索します。 （ ☞ 詳細は、第 4.17.2 章 をご覧ください。）

名称	機能
(10) プレイバック(再生) コントロールボタン	左から右の順に、 **コマ戻し**:1 秒前の画像に戻ります。 **速度を下げる**:再生スピードを 1/2、1/4、または 1/8 のスピードで再生できます。プレイバック(再生)スピードは画面上に表示されます。 **逆再生**:逆再生します。 **一時停止**:再生を一時停止します。 **再生**:再生します。 **速度を上げる**:再生スピードを 2 倍、4 倍、8 倍、16 倍、32 倍、または 64 倍のスピードで再生します。プレイバック(再生)スピードは画面上に表示されます。 **コマ送り**:次のフレームへ進みます。
(11) 時間軸拡大/ 時間軸縮小	プレイバックタイムバーを拡大、縮小できます。 1 目盛の間隔を 5 分、10 分、30 分、1 時間、2 時間に設定できます。
(12) プレイバックタイムバー	再生中のファイルの進行状況を表示します。 時間軸拡大/時間軸縮小ボタンを使用して、プレイバックタイムバーの表示を時間単位から分単位に拡大、縮小することができます。
(13) セントラルタイム	記録された日付、時刻、および再生速度を表示します。
(14) セントラルタイムの設定	録画したビデオファイルの再生を開始する日付と時刻を選択できます。 – **日付:** カレンダー上をクリックして選択します。太字テキストは、記録されたファイルが存在することを示しています。 や アイコンをクリックして日付を切り換えるか、月の横のアイコン ▼ をクリックすると、月を選択できます。年を切り換えるには、年のテキストをクリックし、スピンボタンをクリックして選択します。 – **時刻:** 時刻ボックスで、時、分、秒を選択し再生開始時刻を設定します。最後に[**OK**]ボタンを押すと再生を開始します。 **ご注意**:セグメントを表示中は再生時刻を変更できません。 

4.5 システムセットアップ

セットアップボタンを押すと最初に[**システム情報**]ダイアログボックスが現れます。[**システム情報**]ダイアログボックスに、**サーバー名、ファームウェアバージョン、IP カメラモジュール、送受信帯域、温度**が表示されます。

セットアップセクションでは、[**システム設定、カメラ管理、Eマップ管理、録画管理、アラーム、ユーザー設定**]を設定できます。



以下の章では、それぞれの設定について説明します。

4.5.1 一般的なシステム設定

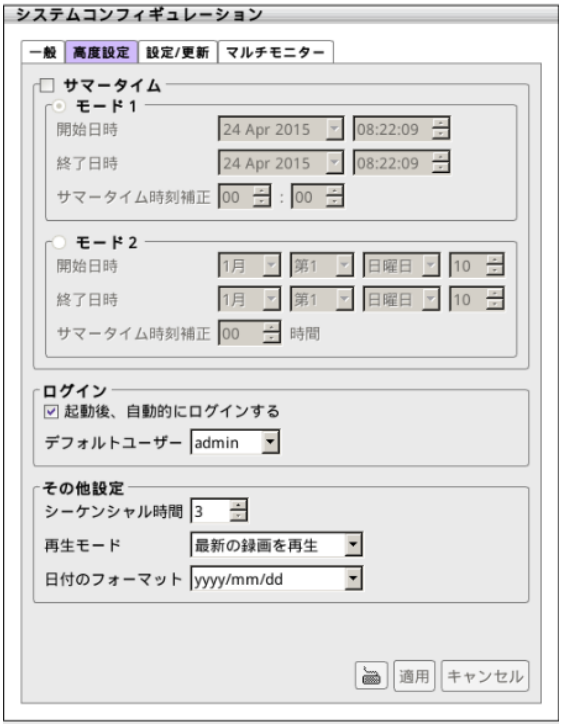
本機の言語、ビデオ形式、システムの日付と時刻、システム時刻の同期などを設定できます。
[**Setup**]タブ > [**システム設定**] > [**システムコンフィギュレーション**]をクリックします。
設定を変更した場合は、[**適用**]ボタンをクリックして設定を保存してください。

- **言語**:選択した言語をベースにツールヒントやダイアログボックスを表示するよう、システムをカスタマイズできます。
  デフォルトの言語は、日本語となっています。
- **ビデオ形式**:使用するアナログカメラのビデオ形式を設定します。
  ビデオ形式の設定を誤ると、ビデオは正常に再生されません。
- **日付/時刻**:日付と時刻を設定できます。日付のリストボタンをクリックし、 や アイコンをクリックして月を切り換えるか、月の横のアイコン ▼ をクリックすると設定できます。西暦を切り換えるには、西暦のテキストをクリックし、スピンボタンをクリックして設定します。
- **タイムサーバー同期**:本機のシステム時刻をネットワークタイムサーバーと同期させることができます。
  - **タイムサーバー**:タイムサーバの IP アドレス、またはドメイン名を入力します。
  - **自動同期**:自動同期にチェックを入れ、毎日自動的に同期したい時刻を設定します。
  - **タイムゾーン**:タイムゾーンを設定します。
  - **今すぐ更新**:今すぐ時刻を更新したい場合、[**今すぐ更新**]ボタンをクリックします。

4.5.2 システムの高度設定

システムコンフィギュレーションの高度設定では、システムログインの設定など、システムに関する高度設定を行うことができます。（サマータイムの設定はサポートしていません。）

［**Setup**］タブ ＞［**システム設定**］をクリックします。
「+」をクリック、システム設定を展開し、［**システムコンフィギュレーション**］ ＞ ［**高度設定**］をクリックします。
設定を変更した場合は、［**適用**］ボタンをクリックして設定を保存します。



4.5.2.1 サマータイムの設定（本機ではサポートしていません）

4.5.2.2 ログイン設定

起動時に自動ログイン（初期設定）または手動ログインを設定することができます。

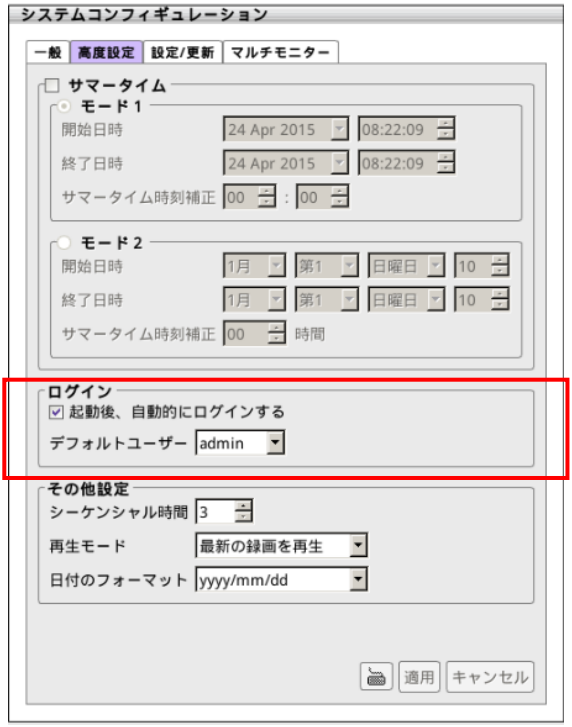
■ **起動後、自動的にログインする**

チェックを入れると起動時に自動的にログインします。（初期設定）

チェックを外すと起動時に手動でログインできます。（初期ユーザーID：admin、パスワード：jvc）

■ **デフォルトユーザー**

本機システムが実行された時に、選択されたデフォルトユーザーとして自動的にログインします。



設定を保存する場合は、[**適用**]をクリックします。

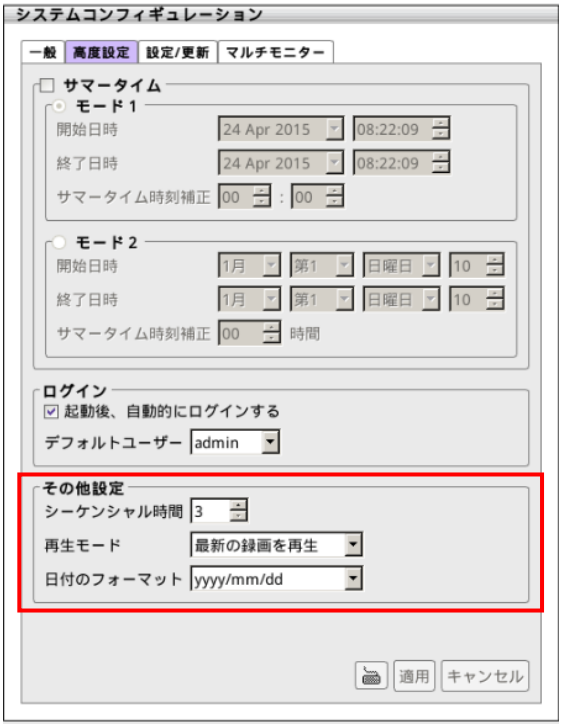
4.5.2.3 その他設定

その他設定の条件を有効にします。

- **シーケンシャル時間**：Auto Scan 機能のカメラのライブ映像切り換わり間隔を、3～10 秒の間で設定することができます。ここで設定した時間間隔で、カメラのライブ映像が切り換わります。

- **再生モード**：ビデオを再生するモードを選択します。
  - ✓ **前回の位置から再生**：前回再生した位置からビデオを自動的に再生します。
  - ✓ **日時を指定して再生**：再生したい日付と時刻を選択します。
  - ✓ **最新の録画を再生**：最新の記録部分からビデオを自動的に再生します。

- **日付のフォーマット**：日付の形式を選択します。



4.5.3 更新/エクスポート/インポート

設定/更新のタブでは、本機システム構成ファイルのバックアップをインポートでき、USB メモリーにこの構成ファイルをエクスポートできます。また、本機システムのファームウェアおよび IP カメラモジュール（IP カメラドライバー）を更新できます。
ファームウェアおよび IP カメラモジュールの更新につきましては、最寄のサービス窓口にご相談ください。

［**Setup**］ タブ ＞ ［**システム設定**］をクリックします。
「+」をクリックしてシステム設定を展開し、［**システムコンフィギュレーション**］ ＞ ［**設定/更新**］タブをクリックします。

4.5.3.1 本機システム構成のインポート

以前バックアップした構成ファイルから同じ設定を復元します。

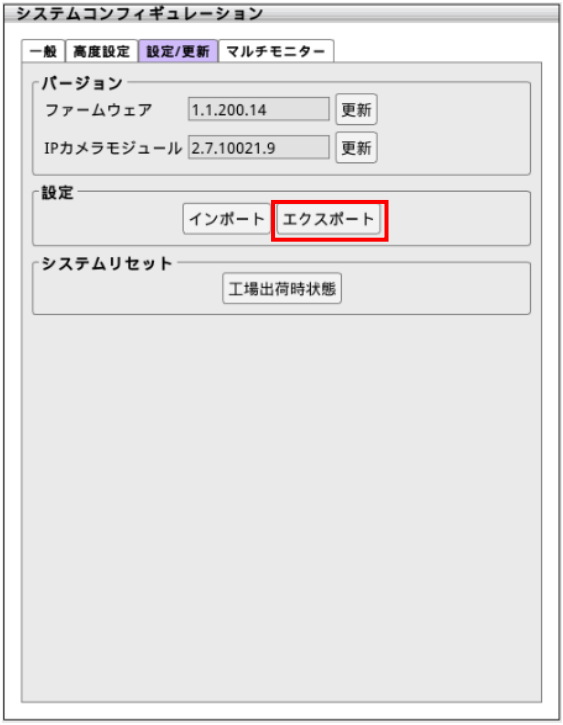
1. 以前にエクスポートした構成ファイルのバックアップを保存した USB メモリーを本機の USB 端子に接続します。

2. [**設定/更新**]タブで、[**設定**]セクションの[**インポート**]ボタンをクリックします。
3. [**インポート**]ダイアログボックスで、USB メモリーおよびバックアップ構成ファイルのファイル名を指定します。
4. [**インポート**]ボタンをクリックします。
5. 本機システムがバックアップ構成ファイルを復元後に再起動することを通知するために、メッセージダイアログボックスが表示されます。[**OK**]ボタンをクリックして続行します。
6. バックアップ構成ファイルの復元後、インポート処理が完了したことを知らせるために、メッセージダイアログボックスが表示されます。[**OK**]ボタンをクリックすると本機システムが再起動します。
7. 再起動後、USB メモリーを本機から取り出します。（☞ 詳細は、第 4.7.3 章 をご覧ください。）

4.5.3.2 本機システム構成のエクスポート

すべての設定のコピーをバックアップしておくと、同じ設定を復元することができます。

1. 構成ファイルを保存するための USB メモリーを本機 USB 端子に接続します。
2. [**設定/更新**]ページで、[**設定**]セクションの[**エクスポート**]ボタンをクリックします。



3. [**エクスポート**]ダイアログボックスで、バックアップ構成ファイルの保存先が表示されます。
4. 続いて[**エクスポート**]ボタンをクリックします。
5. エクスポートプロセスが完了したことを通知するメッセージダイアログボックスが表示されます。
   [**OK**]ボタンをクリックし、エクスポートプロセスを完了します。
6. USB メモリーを本機から取り出します。(☞ 詳細は、第 4.7.3 章 をご覧ください。)
7. 本機システムにバックアップ構成ファイルを復元する。(☞ 詳細は、第 4.5.3.1 章 をご覧ください。)

4.5.3.3 本機ファームウェアの更新

本機システムのファームウェアを更新します。
ファームウェアの更新につきましては、最寄のサービス窓口にご相談ください。

1. 本機ファームウェアファイルを保存した USB メモリーを本機の USB 端子に接続します。
2. [**設定/更新**]タブで、ファームウェアの[**更新**]ボタンをクリックします。

3. [**更新**]ダイアログボックスで、本機システムはファームウェアファイルを検出し、ファームウェアファイルのパス、ファームウェアのファイル名、バージョン情報を表示します。
4. [**更新**]ボタンをクリックすると、アップグレードプロセスダイアログボックスが表示されます。
5. 更新が完了したことを通知するメッセージダイアログボックスが表示されます。
   [**OK**]ボタンをクリックすると、本機システムが再起動します。
6. 再起動後、USB メモリーを本機から取り出します。(☞ 詳細は、第 4.7.3 章 をご覧ください。)

ファームウェアを更新中に USB メモリーを切断したり、本機の電源を切らないでください。
本機が破損する恐れがあります。

4.5.3.4 IP カメラモジュールの更新

本機システムの IP カメラモジュールを更新します。
IP カメラモジュールの更新につきましては、最寄のサービス窓口にご相談ください。

1. IP カメラモジュールパッチファイルを保存した USB メモリーを本機の USB 端子に接続します。
2. [**設定/更新**]タブで、IP カメラモジュールの[**更新**]ボタンをクリックします。

3. [**更新**]ダイアログボックスで、本機システムはパッチ ファイルを検出し、パッチファイルのパス、パッチのファイル名、バージョン情報を表示します。
4. [**更新**]ボタンをクリックすると、アップグレード プロセス ダイアログボックスが表示されます。
5. 更新が完了したことを通知するメッセージ ダイアログボックスが表示されます。
   [**OK**]ボタンをクリックすると、本機システムが再起動します。
6. 再起動後、USB メモリーを本機から取り出します。(☞ 詳細は、第 4.7.3 章 をご覧ください。)

> IP カメラモジュールを更新中に USB メモリーを切断したり、本機の電源を切らないでください。
> 本機が破損する恐れがあります。

4.5.4 工場出荷時の状態に戻す

本機システムを工場出荷時の初期設定状態に戻すとことができます。

[**工場出荷時状態**]ボタンを押すと、工場出荷時の初期設定状態に戻り、本機システムが自動的に再起動します。

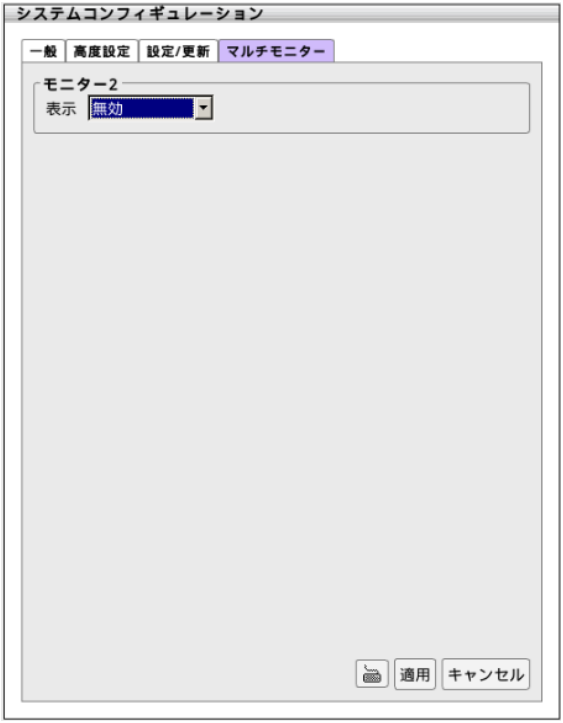
ご注意:工場出荷時状態に戻した場合、[記録用 HDD として使用]セクションに設定されていた HDD が、[HDD 検出]セクションに移動します。[**Setup**] > [**システム設定**] > [**ストレージ**]タブ、[**保存先設定**]ダイアログボックスにて、再度設定をおこなってください。(☞は、第 4.7.2 章 をご覧ください。)

4.5.5 デュアルモニターを設定する

本機システムはデュアルモニター接続に対応しています。
次の手順で特定の機能メニューをセカンドモニターに表示させることが可能です。

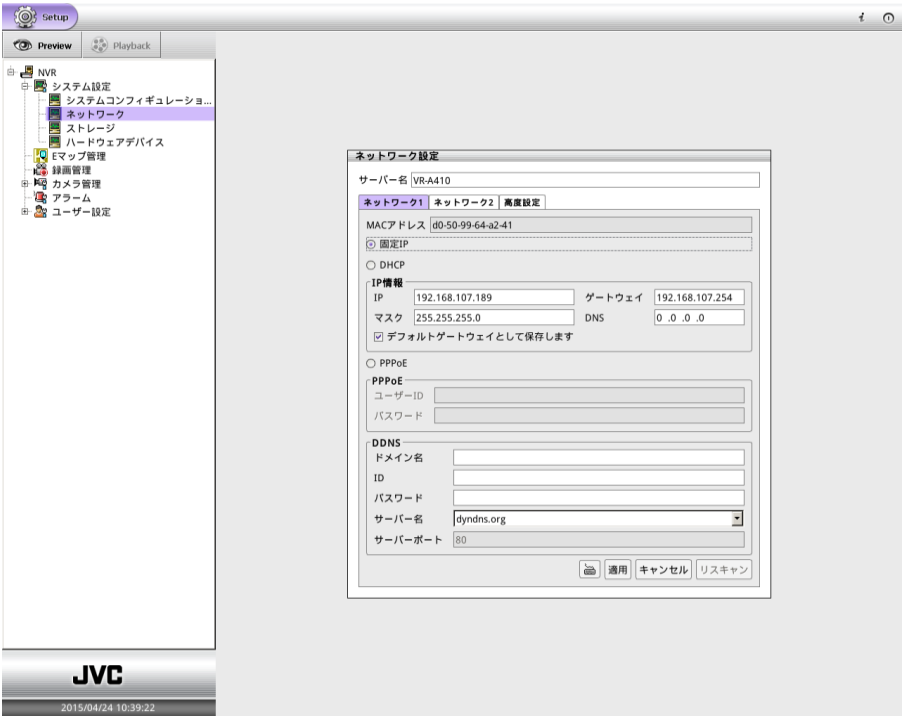
HDMI と VGA モニターを同時に接続した場合、HDMI に接続したモニターが常にメインモニターになります。

1. [**Setup**]タブをクリック ＞ [**システム設定**]の[**＋**]を押してサブメニューを表示させ、[**システムコンフィギュレーション**]をクリック ＞ [**マルチモニター**]タブを選択します。
2. モニター2 に表示させたい機能をドロップダウンリストから選択します。
   無効:画面が出力されません。
   Playback:再生画のみ表示します。(モニター1 では再生画を表示する機能が無効になります。)
   E マップ:E マップのみ表示します。(モニター1 では E マップを表示する機能が無効になります。)
   イベントログ:イベントログビューアのみ表示します。(モニター1 ではイベントログビューアを表示する機能が無効になります。)
   POS ログ:POS ログビューアのみ表示します。(本機ではサポートしていません。)
   アラームログ:アラームログビューアのみ表示します。(モニター1 ではアラームログビューアを表示する機能が無効になります。)
3. **適用**をクリックして設定を保存してください。



4.6 ネットワーク設定

ネットワークモード（固定 IP/DHCP/PPPoE）の種類を選択し、本機の IP アドレスを入力し、DDNS を設定します。



1. [**Setup**]タブ ＞ [**システム設定**]をクリックします。
   [＋]をクリックして展開し、[**ネットワーク**]をクリックします。
2. **MAC アドレス**：LAN カードのイーサネットポートに対応する MAC アドレスを表示します。
3. ネットワークモードを選択します。
   - **固定 IP**：本機の固定 IP アドレスを割り当てます。
     - **IP（アドレス）**：固定 IP アドレスを入力します。

> 本機の IP アドレスを 1.0.0.0 ネットワークセグメントに割り当てないでください。
> 1.0.0.0 の IP セグメントではネットワークにアクセスできません。

     - **マスク**：本機に割り当てる IP アドレスのサブネットマスクを入力します。
     - **ゲートウェイ**：ネットワークゲートウェイの IP アドレスを入力します。
     - **DNS**：DNS の IP アドレスが利用できる場合は入力します。
   - **DHCP**：本機に IP アドレスを割り当てる DHCP サーバーを使用します。
   - **PPPoE**：「Point-to-Point Protocol over Ethernet」とは、主に ADSL サービスに使用される通信プロトコルです。
     使用している通信方式が ADSL の場合、PPPoE モードを選択し、PPPoE 接続のためにインターネットサービスプロバイダーから付与された[**ユーザーID**]および[**パスワード**]を入力します。

4. **デフォルトゲートウェイとして保存します**：本機はデュアル LAN をサポートしていますが、デフォルトゲートウェイとして設定できる LAN ポートは 1 本だけです。
5. DDNS をセットアップします。

   この機能を使用するには、現在ご利用中のドメイン名サーバーを登録します。

   DDNS 機能を設定できるのは、デフォルトゲートウェイとして設定された LAN ポートのみです。

   詳しくは、添付 CD-ROM 内「DDNS サーバー接続編」をご覧ください。

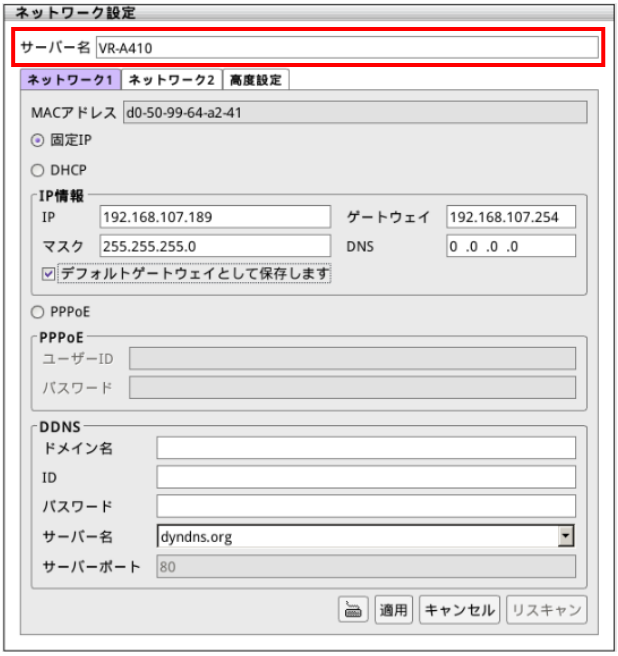
   - **ドメイン名**：DDNS ウェブサイト上でお客様が適用したドメイン名です。
   - **ID**：DDNS ウェブサイト上でお客様が作成したアカウント ID です。
   - **パスワード**：DDNS ウェブサイト上でお客様がセットアップしたパスワードです。
   - **サーバー名**：[ddns.dss.com.tw]または[dyndns.org]から選択します。
   - **サーバー ポート**：ポートはドメイン名サーバーへの接続に使用されます。
6. 必要な情報をすべて入力しましたら、[**適用**]ボタンをクリックして設定を保存します。
7. **ネットワーク 2** を設定するには、[**ネットワーク 2**]タブをクリックし、上記のステップに従い設定してください。

4.6.1 DVR サーバー名の設定

本機システム用の名前を割り当てます。

文字は、英数字のみ使用できます。

1. [**Setup**]タブ > [**システム設定**]をクリックします。
   [＋]をクリックしてシステム設定を展開し、[**ネットワーク**]をクリックします。
   [**ネットワーク設定**]ダイアログボックスが表示されます。
2. [**サーバー名**]欄に希望の名前を入力し、[**適用**]ボタンをクリックして設定を保存します。
   工場出荷時設定で[**VR-A410**]が入力されています。



ご注意:

本機にはネットワークカメラ接続用（LAN1）と、イントラネットワーク接続用（LAN2）の2つのネットワーク端子があります。

■ LAN1 はインターネットに接続しないでください。
インターネットの混雑状況や中継機器などの状況により、カメラの映像が保存できなくなる場合があります。記録性能を確保するために専用ネットワークとすることをお勧めします。
また、LAN1 のカメラネットワークは同一セグメント（NAT、NAPT などのアドレス変換やルーターを使用しない。）としてください。

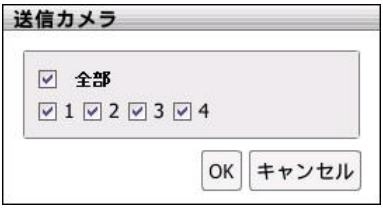
4.6.2 ネットワークの高度設定

送信カメラ、ネットワーク帯域制限の設定、およびネットワークポートの設定ができます。(UPnP の設定は、サポートしていません。)

[**Setup**]タブ > [**システム設定**]をクリックする。
[＋]をクリックしてシステム設定を展開し、[**ネットワーク設定**] > [**高度設定**]タブをクリックします。
[**設定**]をクリックして各項目を設定します。

4.6.2.1 送信カメラの設定

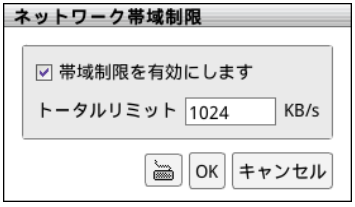
PC ビューア、CM5000 を使用して、ネットワーク経由でアクセス可能にしたいカメラ番号にチェックを入れます。すべてのカメラを選択するには、[**全部**]のチェックボックスにチェックを入れます。設定を保存するには[**OK**]をクリックしてください。



4.6.2.2 UPnP の設定（本機ではサポートしていません）

4.6.2.3 ネットワーク帯域幅制限の設定

リモートアクセス用のネットワーク帯域幅の上限を設定します。設定を保存するには［**OK**］をクリックしてください。



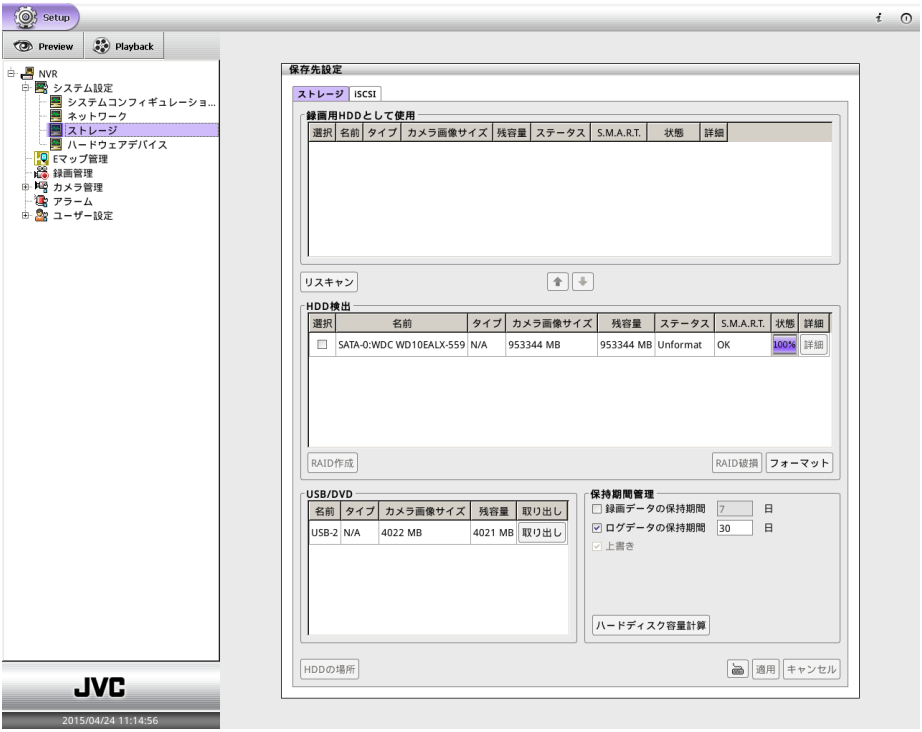
4.6.2.4 ネットワーク ポートの設定

リモートアクセス接続用の**ネットワーク ポート**を割り当てます。設定を保存するには[**OK**] をクリックしてください。

4.7 保存先設定

保存先設定では、保存先の追加、保存先の削除、ハードディスクのフォーマット、データーの保存期間および USB メモリーの取出しができます。([iSCSI 設定]は、サポートしていません。)

[**Setup**]タブ > [**システム設定**]をクリックします。
[**＋**]をクリックしてシステム設定を展開し、[**ストレージ**]をクリックします。



4.7.1 ハードディスクのフォーマット

HDD を交換した場合や、録画した映像や音声を保存できるファイル形式に再フォーマットする際に作業が必要です。
（**ご注意**：HDD の交換は、専門の技術を必要とします。必ずお買い上げの販売店または最寄のサービス窓口にご相談ください。）

1. [保存先設定]ダイアログボックスで[**ストレージ**]タブをクリックします。
2. 保存先設定ページでは本機システムで検出された HDD を検出リストで確認できます。
   HDD が[録画用として使用]セクションにある場合は、HDD を選択し ボタンをクリックして[HDD 検出]セクションに移動させてください。

HDD を設置してもリストに表示されなければ、一度リスキャンボタンを押してください。

3. お使いになる前に HDD リストから HDD を選択し、[**フォーマット**]ボタンをクリックしてフォーマットをしてください。

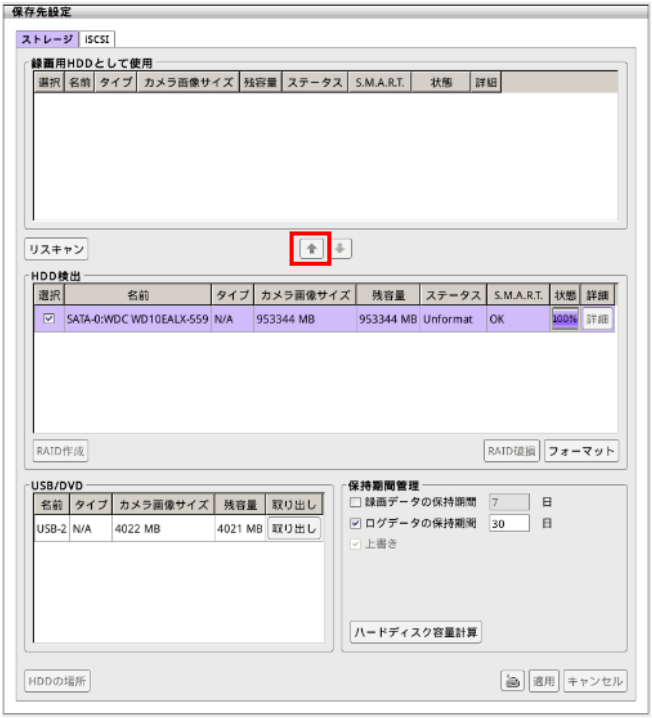
4. [**はい**]をクリックしてプロセスのフォーマットを確定します。
5. フォーマットプロセスの進行状況をパーセントで示すバーが表示されます。
   フォーマット処理が終了すると 100 パーセントとして表示され、[**OK**]をクリックしてフォーマット処理を完了します。
6. フォーマット後は、HDD は保存先として設定できる状態となります。

4.7.2 録画データ用の保存先のセットアップ

- 保存先がない場合は、本機での録画はできません。
- iSCSI 設定は、サポートしていません。

録画ビデオデータの保存用に保存先を追加します。

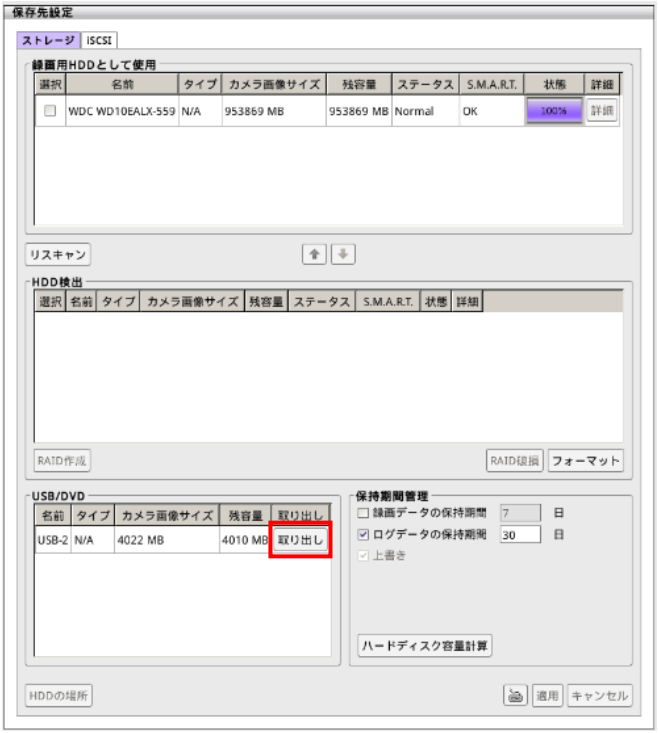
1. [**保存先設定**]ダイアログボックスで[**ストレージ**]タブをクリックします。
   HDD を選択し、 ボタンをクリックします。



2. 選択した HDD が、[**録画用 HDD として使用**]セクションに追加されます。
3. HDD を削除するには、[**録画用 HDD として使用**]セクションで HDD、または iSCSI HDD を選択し、 ボタンをクリックします。

4.7.3 USB メモリーの取り出し（システムの操作権限が必要です）

［**USB/DVD**］セクションに、本機に接続されている USB メモリーがリストに表示されます。
USB メモリーを安全に取り出すために、必ず［**取り出し**］ボタンを押し、リストより消えてから取り出してください。



4.7.4 録画データの保持期間管理

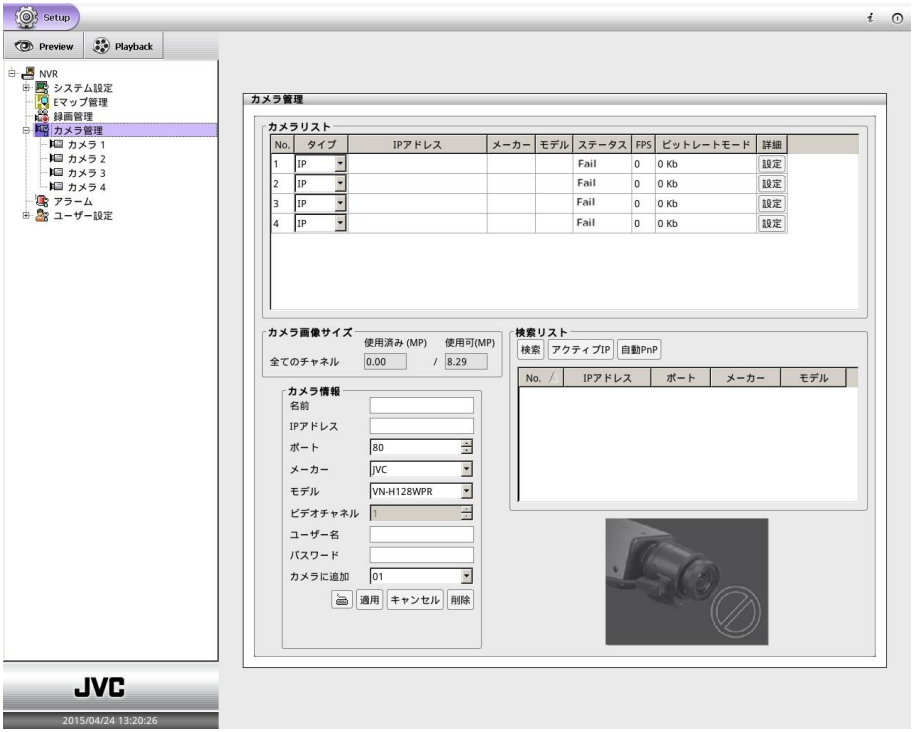
- **録画データの保持期間**:録画データの保持期間を設定できます。
  チェックボックスにチェックを入れ、テキストボックスに日数を入力します。
- **ログデータの保持期間**:ログデータの保持期間を設定できます。
  チェックボックスにチェックを入れ、テキストボックスに日数を入力します。
- **上書き**:1時間分のデータを記録するために十分な空きスペースがない場合、システムは自動的に最も古いデータを上書きします。これはデフォルトで有効となっており、変更できません。

4.7.5 iSCSI 設定(本機ではサポートしていません)

4.8 カメラ管理

アナログカメラとネットワークカメラに接続し、それぞれを構成します。

[**Setup**]タブ >[**カメラ管理**]の順にクリックします。



4.8.1 アナログカメラの接続

1. 本機の映像入力端子に、BNC ケーブルを接続します。
2. アナログカメラを本機の BNC ケーブルに接続し、アナログカメラの電源を入れます。
3. カメラリストから、アナログカメラに接続するカメラリスト番号を選択し、タイプを[**Analog**]に設定します。
4. カメラ情報[**名前**]欄にカメラの名前を入力できます。

5. 次に、[**適用**]をクリックして接続を確立します。
   接続に成功しますと、アナログカメラのライブ映像を見ることができます。
6. アナログカメラの詳細をセットアップします。（ ☞ 詳細は、第 4.8.3 章 をご覧ください。）

4.8.2 ネットワークカメラの接続

1. ［**Setup**］タブ ＞［**カメラ管理**］の順にクリックします。
2. カメラ情報ページは、**カメラリスト**、**カメラ画像サイズ**、**検索リスト**、および**カメラ情報**という4つのエリアで構成されています。
   - **カメラリスト**：ネットワークカメラを接続すると、IP アドレス、プロトコル、モデル、接続ステータス、FPS、ビットレートモードを表示します。
   - **カメラ画像サイズ**：使用済み（MP）欄に接続されたカメラの合計解像度を表示します。
     残りの解像度は使用可（MP）欄に表示されます。
   - **検索リスト**：使用している LAN ネットワーク上のネットワークカメラを自動検索し、検索結果を表示します。
   - **カメラ情報**：ネットワークカメラのパラメーターを入力します。アナログカメラでは、名前のみ入力できます。

ネットワークカメラを接続する方法として、以下3通りの接続方法があります。

4.8.2.1 検索して接続する

1. 接続を確立する[**カメラリスト**]No.をクリックし、タイプを[**IP**]に設定します。
2. [**検索リスト**]-[**検索**]ボタンをクリックし、LAN ネットワーク上のネットワークカメラを検索します。

ご注意：以下のネットワークカメラは、[**検索リスト**]-[**検索**]からは接続できません。

- VN-V25U、VN-V686B、VN-T16、VN-T216：☞ 接続方法は、第 4.8.2.2 章 をご覧ください。

3. 検索リストで、接続したいネットワークカメラを選択し、カメラリスト番号を選択します。
   接続認証が必要な場合、ネットワークカメラの**ユーザー名**と**パスワード**を入力します。
4. [**適用**]ボタンをクリックして接続を確立します。
5. ネットワークカメラの詳細設定を構成する。(☞ 詳細は、第 4.8.3 章 をご覧ください。)

6. 接続に成功したら、ライブ映像を見ることができます。

4.8.2.2 カメラ情報を入力して接続する

1. カメラ情報に以下データを入力し、[**適用**]ボタンをクリックすることによりネットワークカメラの接続を確立できます。
   - **名前**：ネットワークカメラに名前をつけることができます。
   - **IP アドレス**：ネットワークカメラの IP アドレスを入力します。
   - **ポート**：接続するネットワークカメラのポートを入力します。
   - **メーカー**：ネットワークカメラのブランド名をドロップダウンリストから選択できます。
   - **モデル**：ネットワークカメラのモデル名をドロップダウンリストから選択できます。
   - **ユーザー名**：ネットワークカメラに接続する際のネットワークカメラ認証用ユーザー名を入力します。
   - **パスワード**：ネットワークカメラに接続する際のネットワークカメラ認証用パスワードを入力します。
   - **カメラに追加**：接続済みのカメラリスト番号を選択し、[**カメラに追加**]のドロップダウンリストから番号選択すると、選択したカメラリスト番号に同じカメラ映像を表示できます。
   - **削除**：削除したいカメラリスト No.をクリックし、[**削除**]ボタンを押すと、カメラの設定が削除されます。
2. ネットワークカメラの詳細設定を構成する。（☞ 詳細は、第 4.8.3 章 をご覧ください。）

4.8.2.3 自動 PnP 機能

自動 PnP 機能で自動的にネットワークカメラに接続することができます。

ご注意:ネットワークカメラの IP アドレスは、自動的に変更されます。

1. 自動 PnP 機能を操作する前に本機とネットワークカメラが両方工場出荷時状態であることを確認します。
2. 本機とネットワークカメラを同じプライベートネットワーク内に置く必要があります。
3. カメラ管理のページで自動 PnP ボタンをクリックして、本機がネットワークカメラに接続するまで待ちます。
4. ネットワークカメラの詳細設定を構成する。(☞ 詳細は、第 4.8.3 章 をご覧ください。)

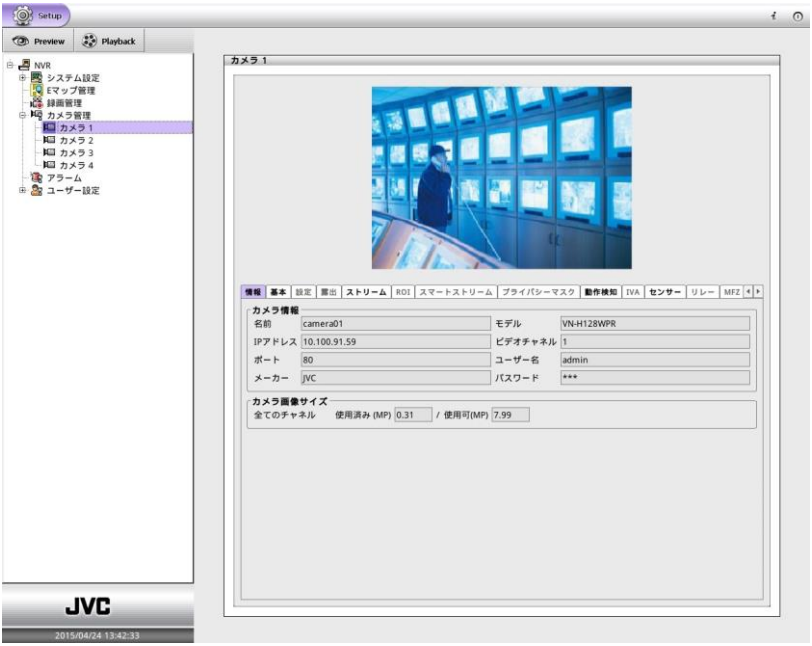
ご注意:以下のネットワークカメラは、自動 PnP 機能に対応していません。

- VN-V25U、VN-V686B、VN-T16、VN-T216: ☞ 接続方法は、第 4.8.2.2 章 をご覧ください。
- VN-X35、VN-X235、VN-X235VP、VN-V686: ☞ 接続方法は、第 4.8.2.1 章 をご覧ください。

4.8.3 カメラの詳細設定

カメラのストリームと関連するパラメーターを設定できます。
[**Setup**]タブ > [**カメラ管理**]の「+」をクリックしてカメラ設定を展開し、構成したい[**カメラリスト番号**]をクリックします。または、カメラ管理ダイアログボックスでカメラの[**設定**]ボタンをクリックします。

使用できない機能は、グレーで表示されます。



■ 情報

名前、IP アドレス、ポート、メーカー、モデル、ビデオチャンネル、ユーザー名、パスワード、およびカメラ画像サイズを表示します。

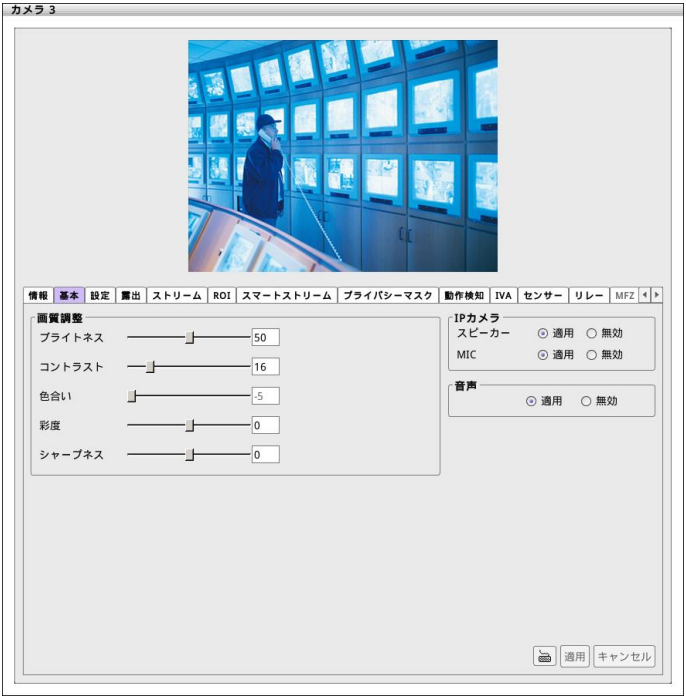
■ 基本

✧ **画質調整**:カメラの明るさ、コントラスト、色合い、彩度、および鮮明度を設定できます。

お使いのネットワークカメラのモデル(機種)によっては、設定を変更できない機能があります。
画質調整の設定を変更した場合、お使いのネットワークカメラの設定も変更されます。

✧ **IP カメラ(スピーカー、MIC)**:本機ではサポートしていません。

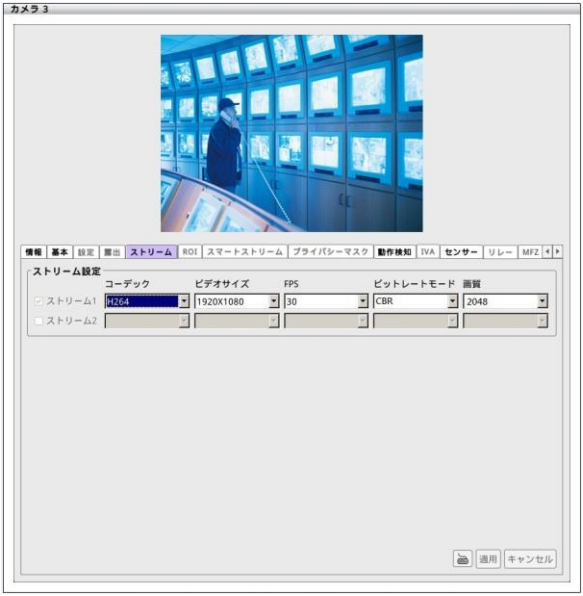
✧ **音声**:[**基本**]タブでの音声切り換え設定は対応していません。
音声の有効(オン)/無効(オフ)を切り換える。(詳細は、第 5.5 章 をご覧ください。)



■ ストリーム

カメラの**ストリーム1**について、**コーデック**、**ビデオサイズ**、**FPS(フレームレート)**、**ビットレートモード**、および**画質(ビットレート)**を設定できます。設定が完了したら、[**適用**]をクリックして設定を保存してください。新規にネットワークカメラを接続した場合は、接続したネットワークカメラのエンコード1に保存されている設定が反映されます。

本機は、ストリーム 2 はサポートしていません。
ストリームの設定を変更した場合、お使いのネットワークカメラの設定も変更されます。



■ 記録時間表

本機を使用した場合の記録時間表です。下記表を参考に設定してください。
実際の記録時間はカメラの設定内容や入力映像の内容などの条件により異なります。めやすとしてご利用ください。
ビットレートモード[**CBR(固定ビットレート)**]時の計算値です。[**VBR(可変ビットレート)**]時は記録時間より画質が優先されます。

H.264 記録時間表(ネットワークカメラ、アナログカメラ共通)

画質(カメラ 1 台あたり)	4096 kbps	3584 kbps	2048 kbps	1536 kbps
ビデオサイズ・FPS の設定例	Full HD 15 fps	Full HD 15 fps	720P 30 fps	720P 30 fps
4ch 録画＋音声 4ch	約 110 時間	約 126 時間	約 217 時間	約 287 時間
4ch 録画＋音声なし	約 112 時間	約 128 時間	約 224 時間	約 298 時間

画質(カメラ 1 台あたり)	1024 kbps	768 kbps	512 kbps	256 kbps
ビデオサイズ・FPS の設定例	720P 15 fps	VGA 30 fps	VGA 15 fps	VGA 10 fps
4ch 録画＋音声 4ch	約 421 時間	約 551 時間	約 796 時間	約 1,433 時間
4ch 録画＋音声なし	約 448 時間	約 597 時間	約 895 時間	約 1,791 時間

■ ストリーム設定

アナログカメラで設定可能な値は以下の通りです。

パラメータ	値の範囲
ビデオサイズ	D1、VGA、HALF-D1、CIF、QCIF
FPS	1～30
ビットレート	64kbps、128kbps、256kbps、512kbps、768kbps、1Mbps、2Mbps

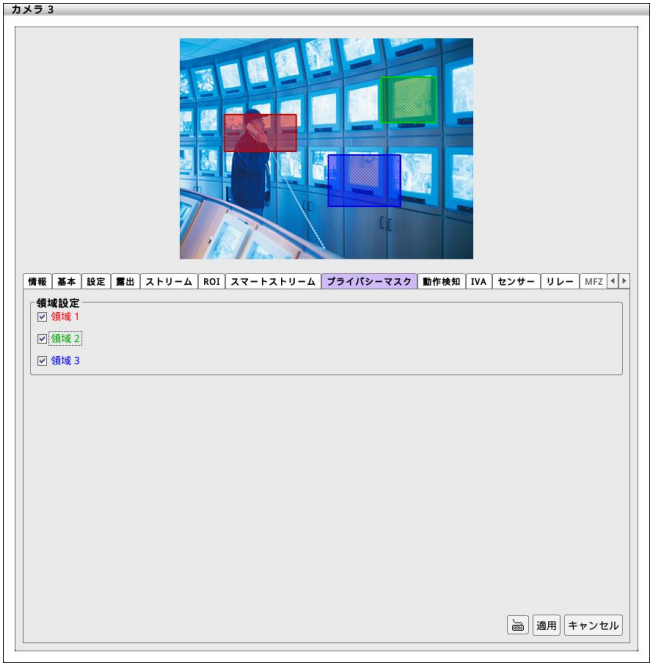
ネットワークカメラの設定可能な値はカメラにより異なります。

■ プライバシーマスク（アナログカメラのみ）

[**プライバシーマスク**]タブでは、3 つのプライバシーマスクを有効にでます。サイズと位置を調整し、隠しておきたい部分にマスクを配置します。

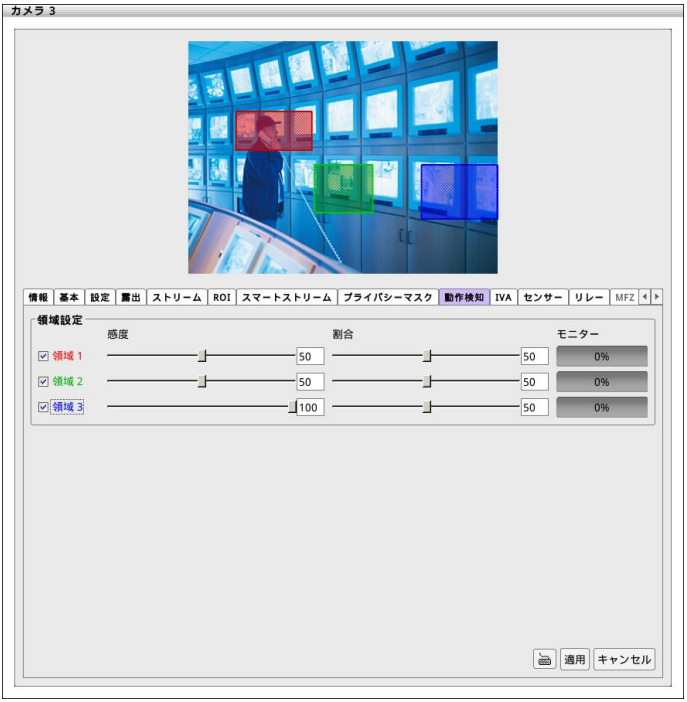
Preview（ライブ）モードや Playback（再生）モードでは、映像画面のマスク領域が緑フレームで覆われて表示されます。

設定が完了したら、[**適用**]をクリックして設定を保存します。



■ 動作検知

動作検知タブでは、領域と感度を設定で行きます。(割合とモニターはご使用になれません。)
この機能はイベント記録や、アラームトリガーに利用できます。



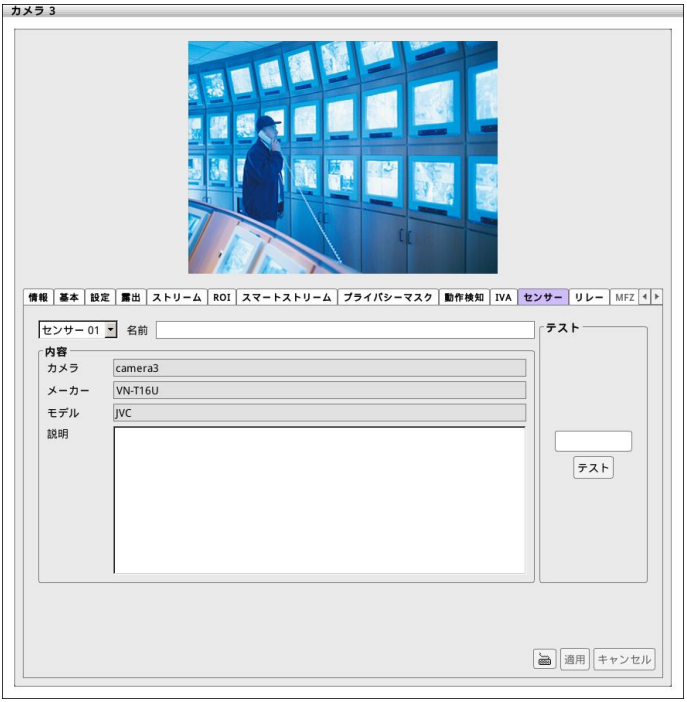
1. 動作検知フレームを作成するためには、領域のチェックボックス(領域 1、領域 2、領域 3)を有効にします。
2. 動きを検出したい領域にフレームを移動し、調整します。
3. 感度を調整します。
4. 設定が完了したら、[**適用**]をクリックして設定を保存します。

■ センサー

センサー設定は、ネットワークカメラのみサポートしています。

ネットワークカメラのセンサーを設定します。

1. 設定ダイアログボックスで[**センサー**]タブをクリックします。
2. ドロップダウンリストをクリックし、センサー番号を選択します。
3. [**名前**]欄にセンサー名を入力します。
4. [**内容**]欄では、本機システムが自動的にカメラを検出し、入力に関連する情報を表示します。
   [**説明**]欄で、このセンサーに関するコメントを入力できます。
5. [**テスト**]欄では、センサーの状態をチェックするために［**テスト**］をクリックします。
   入力されている信号が High の場合は、ボックス欄に赤を表示、Low の場合は緑を表示します。
   センサーはメイク時に high が入力されます。
6. [**適用**]をクリックして設定を保存します。



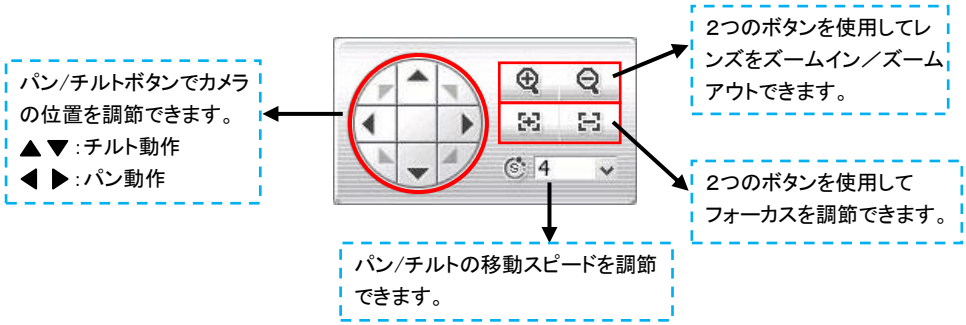
■ PTZ 機能の設定

PTZ ネットワークカメラの設定

PTZ ネットワークカメラが接続されている場合、PTZ 機能を使用することができます。（[アナログ PTZ の設定]は、サポートしていません。）

1. カメラ管理ダイアログボックスで、PTZ 機能を使用するカメラの[**設定**]タブをクリックします。
2. [PTZ 操作]タブを選択します。
3. PTZ 設定ページでは、PTZ 機能を有効にするために[**PTZ 使用**]にチェックを入れます。

4. **プリセット設定**：プリセットナンバーを選択、カメラの位置を調節し、カメラの現在位置に番号を割り当てるには、このコントロールパネルを使用します。設定後は[**保存**]をクリックして設定を保存します。
   ご注意：プリセット設定を変更した場合、お使いのネットワークカメラの設定も変更されます。



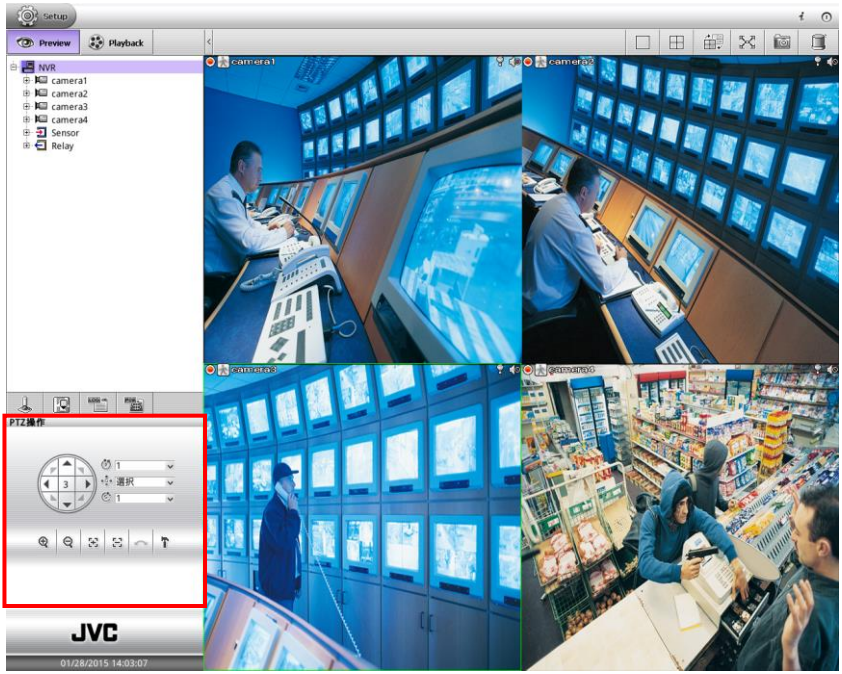
5. **滞留時間**：次へ移動する前に、そのポジションでカメラをどのぐらいの時間固定するかを設定できます。（設定可能な時間は1～60 秒です。）
6. **オート-パン回復時間：**PTZ カメラの移動後に、オートパン機能を再開するまでの時間を設定できます。
   チェックボックスにチェックを入れ、時間を秒で設定します。
7. [**適用**]をクリックして設定を保存します。
8. PTZ 設定を完了すると、PTZ コントロールパネルからプレビューモードで PTZ 機能を操作できます。
   （☞ 詳細は、第 4.8.4 章 をご覧ください。）

アナログ PTZ の設定（本機ではサポートされていません）

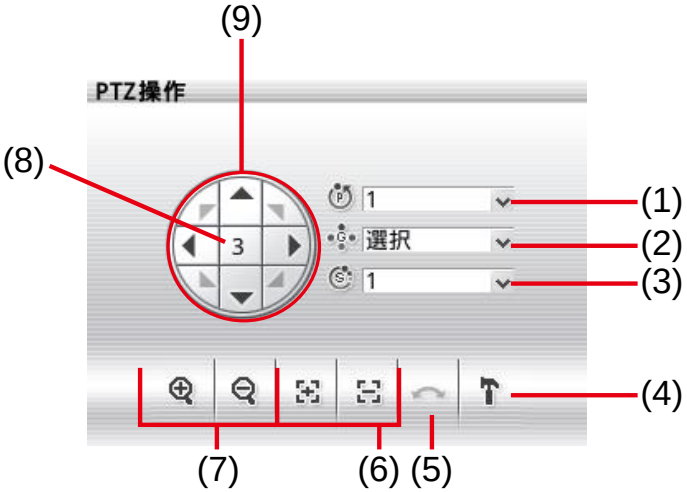
4.8.4 PTZ コントロールパネルの機能について

プレビューモードで、PTZ コントロールパネルから PTZ ネットワークカメラを制御できます。
PTZ カメラが接続されている画面をクリックします。（☞ 詳細は、PTZ 機能の設定 をご覧ください。）

1. プレビューモードで (PTZ) アイコンをクリックし、PTZ コントロールパネルを呼び出します。



2. PTZ コントロールパネルの機能詳細は、次の通りです。

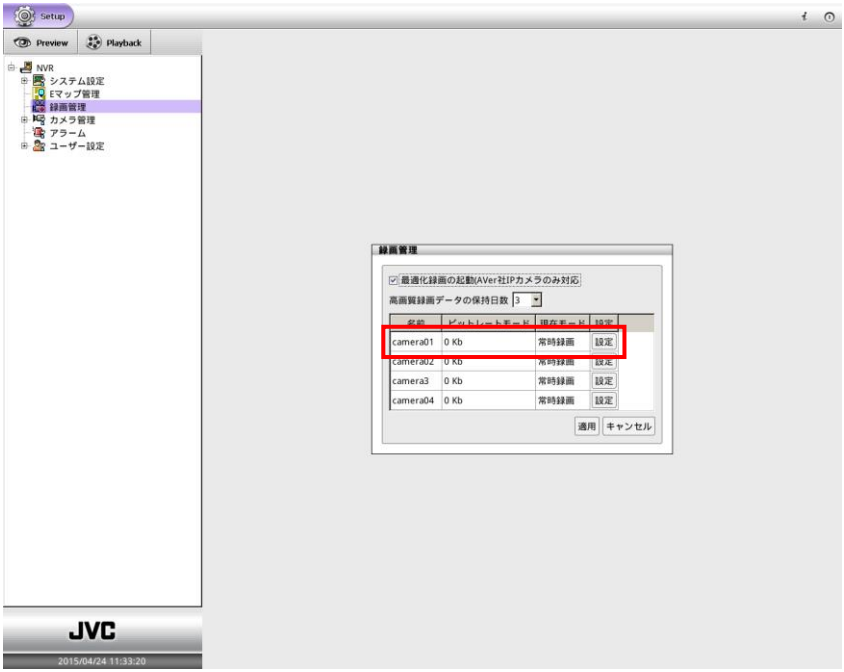


名称	機能
(1) カメラのプリセット位置番号	プリセットポジションに PTZ カメラを移動します。 **ご注意**:プリセットポジションに移動し、(9)方向ボタンを操作した場合、同じ番号のプリセットポジションへは戻りません。この場合、別のプリセットポジション番号を選択した後に選択しなおしてください。
(2) グループ AutoPan	自動的にグループ内の PTZ カメラを操作する際に選択します。
(3) 方向ボタンの移動スピード	PTZ カメラレンズの移動速度を調整できます。この速度は、「**(9)方向ボタン**」の移動速度に適用されます。
(4) セットアップ	[PTZ 操作]設定画面を開きます。
(5) オートパン	選択されたカメラグループのプリセット位置番号に基づき、自動的に PTZ カメラを操作できます。「**(2)グループ オートパン**」を選択し、「**(5)オートパン**」ボタンをクリックする必要があります。
(6) ズーム +/−	画像をズームインまたはズームアウトするときに操作します。
(7) フォーカス +/−	鮮明な映像を生成するために、手動でフォーカスを合わせます。
(8) カメラ ID	操作中の PTZ カメラの番号を表示します。
(9) 方向ボタン	PTZ カメラのパン/チルトを操作します。方向ボタンをサポートするか否かは、PTZ カメラに依存します。

4.9 録画管理

- 録画スケジュールは、デフォルトで常時録画となっています。
- 保存先が設定されていない場合、本機での録画はできません。

1. [**Setup**]タブをクリックします。
2. 次に[**録画管理**]をクリックします。
3. 録画管理ダイアログボックスにて、録画スケジュールを設定したいカメラの[**設定**]ボタンを押します。
   ご注意:最適化録画の起動は、弊社カメラにはご使用になれません。



5. 続いて**録画モード**を選択します。記録モードは、以下の通りです。

- **常時録画**

  選択されたカメラから映像を録画し、これを指定した保存先に保存します。

- **イベント録画**

  本機が動作検知、または背面パネルのセンサー入力を検知した場合、選択したカメラからの映像の録画を開始します。**動作検知前の映像保存時間(0 秒 ～ 10 秒)と録画停止時間(0 秒 ～ 999 秒)**の設定値によって自動的に録画を開始し、停止します。 イベント録画項目を表示するには、[**詳細**]ボタンをクリックします。

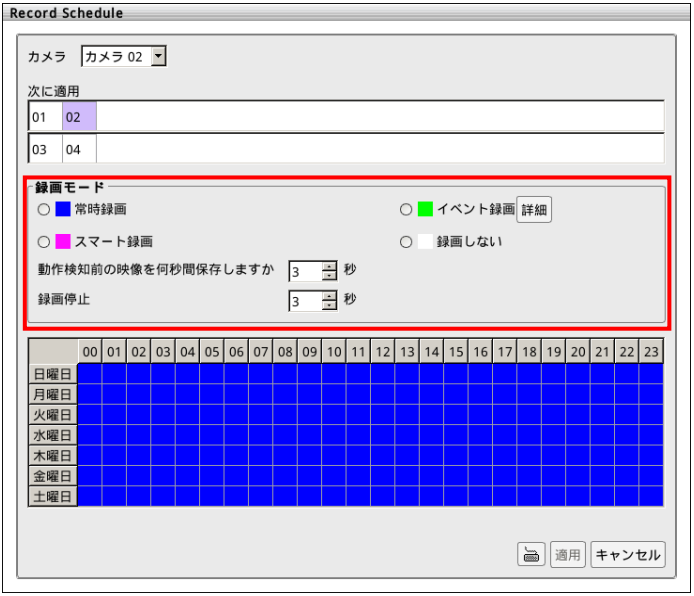
センサー入力によるイベント録画は、バージョン **V1.02** 以降から対応しています。
詳細は、最寄のサービス窓口にお問い合わせください。

- **スマート録画**

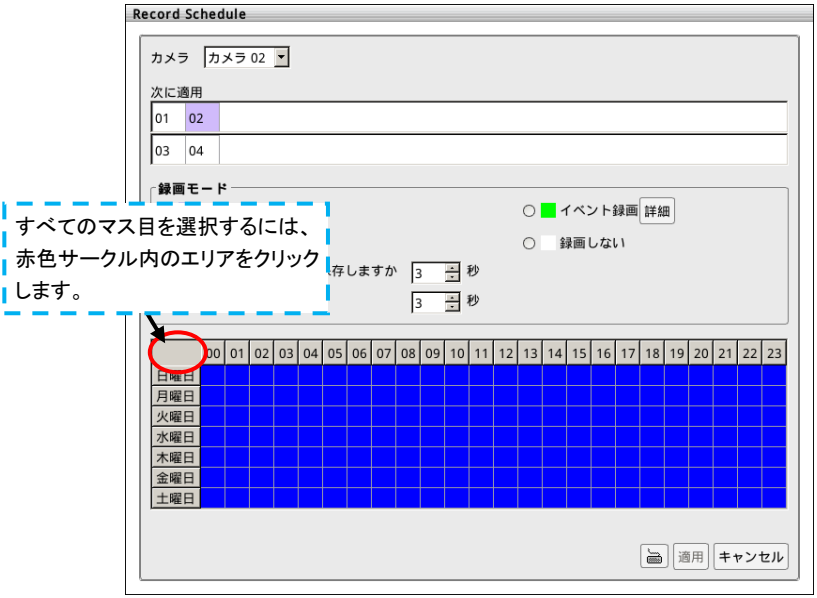
  本機が動作検知した場合、[カメラ管理] – [ストリーム]で設定したフレームレートで記録し、それ以外は自動的に 1 FPS で記録されます。(ご注意:カメラの設定により、1 FPS 以下で記録される場合があります。)

- **録画しない**

  録画を停止、または録画をしません。



6. 録画モードの選択後、曜日時刻テーブルで曜日と時刻のマス目を選択し、[適用]をクリックます。



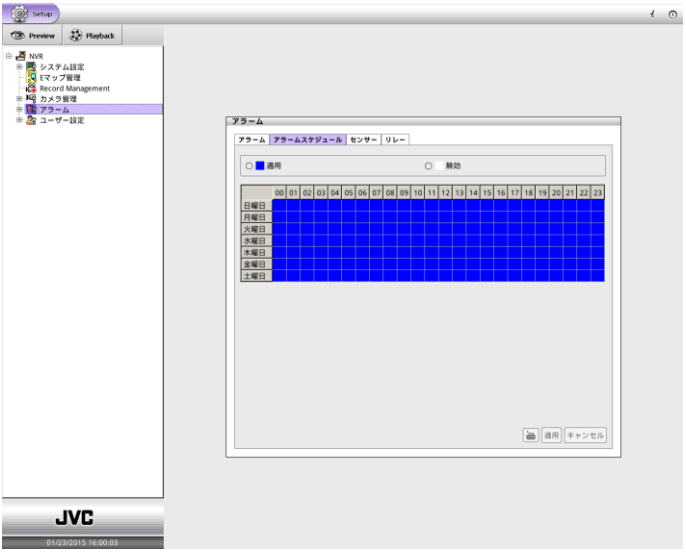
7. 他のカメラ、またはすべてのカメラに同じ録画スケジュールを設定したい場合、[**次に適用**]セクションのカメラ番号をクリックします。

8. [**適用**]をクリックして録画スケジュールを保存します。
9. 録画を停止するには、「**録画しない**」を選択し、曜日時刻テーブルのマス目をクリックします。
[**適用**]をクリックして変更を保存します。

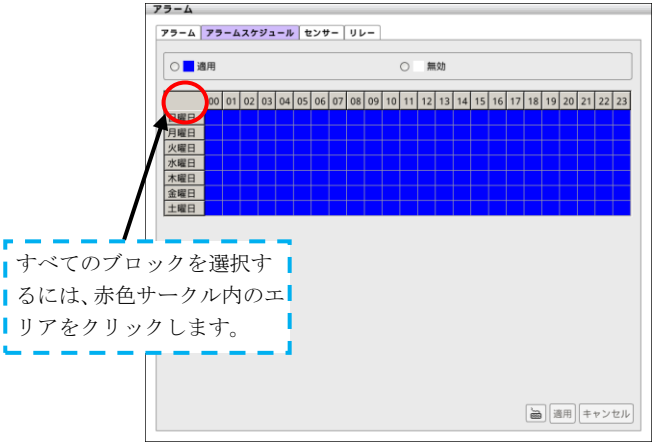
4.10 アラームスケジュール設定

アラームで設定した、アラームアクションのスケジュールを設定します。
アラームスケジュールに従ってアラームアクションがアクティブになり、アクションが条件に一致したときにアラームが動作します。
（ 詳細は、第 4.12 章 をご覧ください。）

1. ［**Setup**］＞［**アラーム**］＞［**アラームスケジュールボタン**］



2. ［**適用**］にチェックを入れ、曜日と時刻をクリックしてスケジュールを設定します。



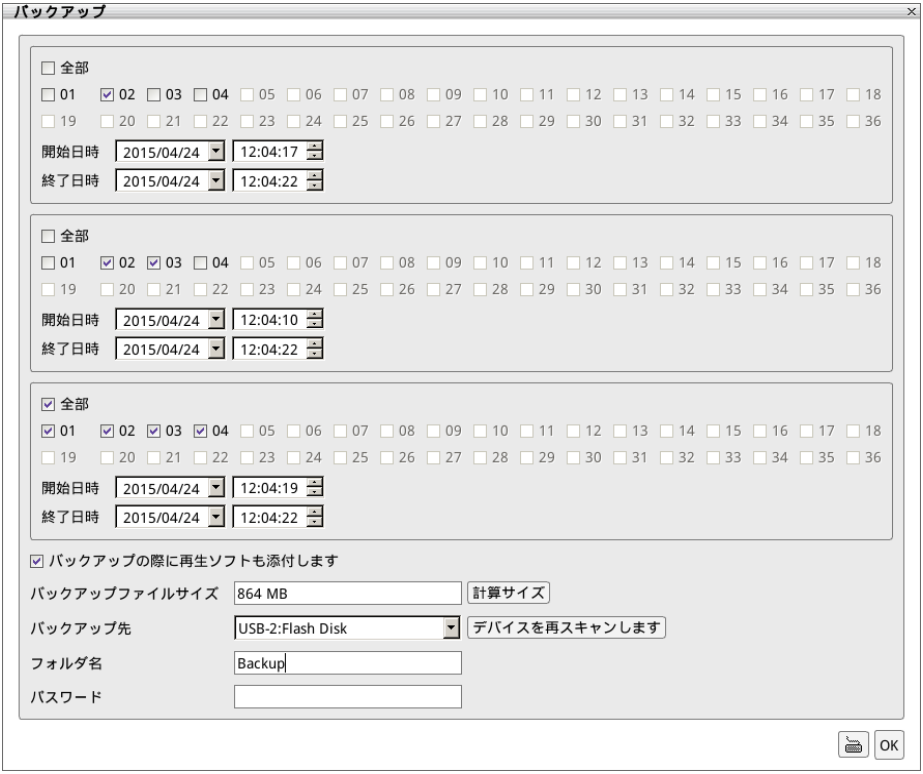
3. ［**適用**］をクリックして設定を保存します。
4. アラームスケジュールを無効にするには、［**無効**］を選択し、無効にしたい曜日と時刻ブロックを選択、［**適用**］をクリックして変更を保存します。

4.11 バックアップ設定

録画ファイルを USB メモリーにバックアップできます。バックアップ設定では、同時に異なるカメラまたはバックアップ期間を選択できます。バックアップファイルは、バックアップ時に含まれる Qplayer アプリケーションによって PC 上で再生できます。（ ☞ 詳細は、第 7 章 をご覧ください。）

1. [**Playback**]タブをクリックして、プレイバックモードに切り換えます。
2. **バックアップ**（ ）をクリックすると、バックアップダイアログボックスが表示されます。
3. バックアップダイアログボックスでは、以下の設定をおこなえます。
   - **カメラ番号**：バックアップしたいカメラ番号を選択します。
     すべてのカメラを選択するには**全部**にチェックを入れてください。
   - **開始/終了日時の選択**：バックアップしたい日付と期間を選択します。
   - **バックアップの際に再生ソフトも添付します**：PC 上でバックアップファイルを再生するためのソフトウェアを添付できます。
   - **バックアップファイルサイズ**：[**計算サイズ**]ボタンをクリックすると、バックアップファイルのサイズを表示します。
     複数のバックアップファイルが存在する場合、すべてのバックアップファイルの合計サイズが表示されます。
   - **バックアップ先**：バックアップファイル保存用のパス。本機システムが検出して一覧表示します。複数のバックアップパスがある場合、ドロップダウンリストから選択できます。保存先のデバイスが見つからない場合、[**デバイスを再スキャンします**]ボタンを押し再度検索します。
   - **フォルダ名**：USB メモリーにバックアップファイルを保存するためのフォルダの名前を付けます。
   - **パスワード**：パスワードでバックアップファイルの安全性を高めることができます。暗号化されたバックアップファイルを再生するには毎回パスワードの入力が要求されます。パスワードを設定しない場合は、パスワードを空欄にした後、[**OK**]ボタンをクリックします。
4. バックアップファイルの条件を設定した後、[**OK**]をクリックしてバックアップを開始します。

5. 異なるカメラおよび異なる時間帯の複数の録画ファイルを同時にバックアップできます。バックアップファイルを作成するには、上記の手順を繰り返し、[**追加**]ボタンをクリックします。別のバックアップファイルは、付与した**フォルダ名**によって区別されます。複数バックアップファイルの制限は、同時に **3** つのファイルまでです。



6. すべてのバックアップファイルを作成したら、[**OK**]ボタンをクリックしてファイルのバックアップを開始します。
7. バックアップが終了したら、USB メモリーを本機から取り出します。
（☞ 詳細は、第 4.7.3 章 をご覧ください。）

4.12 アラーム設定

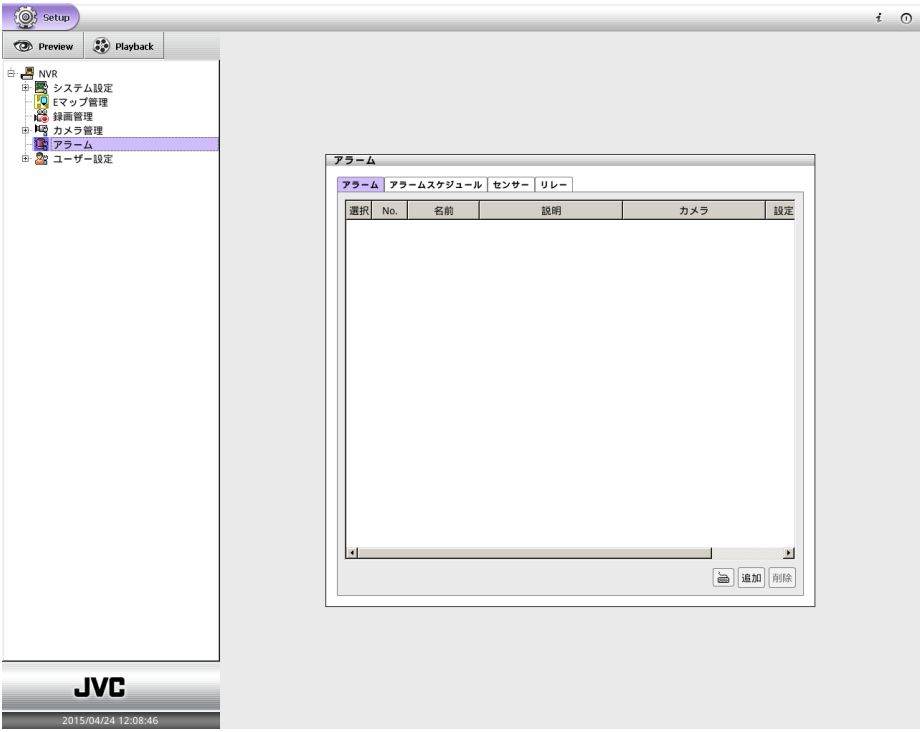
アラームを設定します。

1. **アラーム条件**を設定する。
2. **アラームアクション**を設定する。(詳細は、第 4.12.2 章 をご覧ください。)
3. **アラームスケジュール**を設定する。(詳細は、第 4.10 章 をご覧ください。)

以下の章では、アラーム条件およびアクションを設定する方法を説明します。

4.12.1 アラームの設定

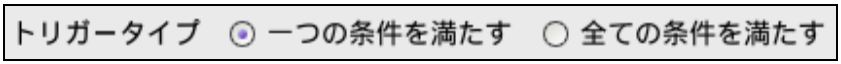
1. [**Setup**]タブ > [**アラーム設定**]の順にクリックします。([IVA 機能]は、サポートしていません。)
2. [アラーム設定]ダイアログボックスが表示されます。



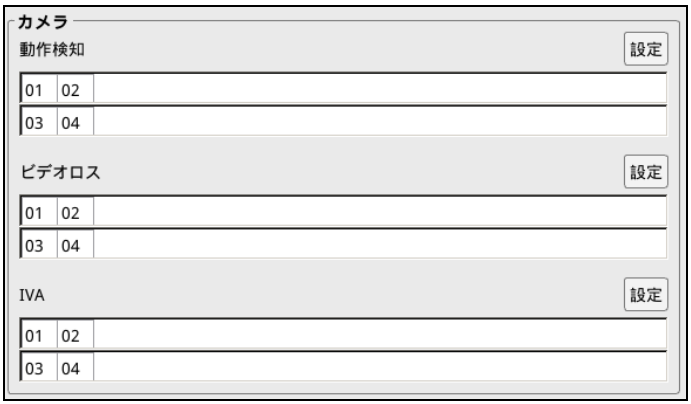
3. 新しいアラーム条件設定を作成するには[**追加**]をクリックします。

4. **No.**欄にアラーム設定番号が表示されます。アラームの数は、デフォルトで割り当てられます。
5. [**名前**]と[**説明**]欄に、このアラーム設定のアラームの名称および説明を入力します。

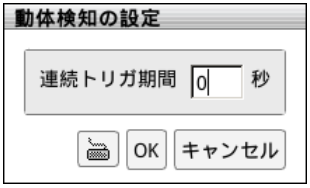
6. システムが条件のいずれかに該当する場合、[**一つの条件を満たす**]を選択し、システムがすべての条件に該当する場合は[**全ての条件を満たす**]を選択し 、アラームをアクティブにします。



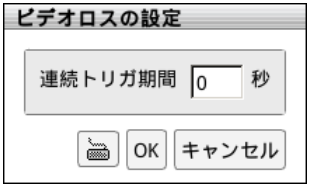
7. カメラセクションでは、動作検知およびビデオロスのカメラ番号を選択してクリックし、システムがアラームを発動するための条件を設定します。



- **動体検知**:カメラ番号(01 ～ 04)を選択してクリックし、システムがアラームを発動するための条件を設定します。[**設定**]ボタンをクリックし、動体検知時間が**連続トリガ期間**を超えた時にアラームを送信するように、システムを設定します。時間は 0 秒から 300 秒の間で設定できます。

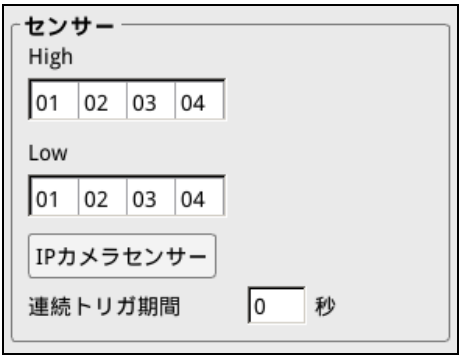


- **ビデオロス**:カメラ番号(01 ～ 04)をクリックしてビデオロスした時のアラーム条件を設定します。[**設定**]ボタンをクリックし、ビデオロス時間が**連続トリガ期間**を超えた時にアラームを送信するように、システムを設定します。時間は 0 秒から 300 秒の間で設定できます。



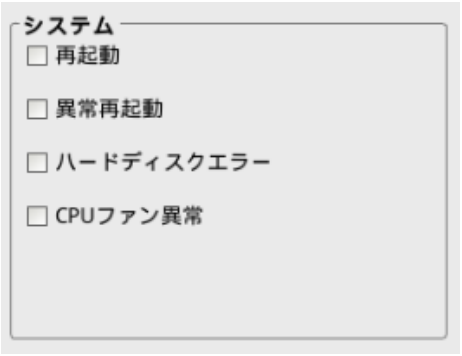
- **IVA(画像解析機能):本機ではサポートしていません。**

8. **センサー**セクションでは、センサー番号を選択してクリックし、システムがアラームを発動するための条件を設定します。センサーの正常状態が High の場合、Low にセンサー条件を設定します。センサーはメイク時に high が入力されます。



- **IP カメラセンサー**：ネットワークカメラに接続されたセンサーの High/Low を条件を設定します。
- **連続トリガ期間**：センサーが動作（始動）され、その期間に同じ状態を保った場合に、アラームを送信する時間を設定します。

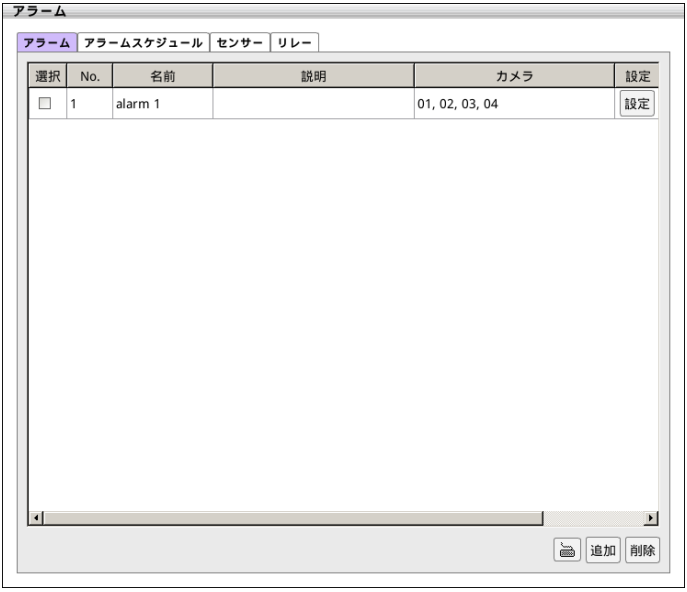
9. [**システム**]セクションでチェックボックスにチェックを入れ、システムによって引き起こされる条件を設定します。



- **再起動**：異常のない状態で本機システムを再起動すると、アラームメッセージを発信します。
- **異常再起動**：非日常の状態で本機システムを再起動すると、アラームメッセージを発信します。
- **ハードディスクエラー**：ハードディスクが正常に動作しない場合、アラームメッセージを発信します。
- **CPU ファン異常**：CPU ファンが正常に動作しない場合、アラームメッセージを発信します。

10. すべてのアラーム条件を設定しましたら、[適用]ボタンをクリックして設定を保存します。
11. 次に、アラームが動作（始動）したときに、アラームアクションを設定する必要があります。
（ ☞ 詳細は、第 4.12.2 章 をご覧ください。）

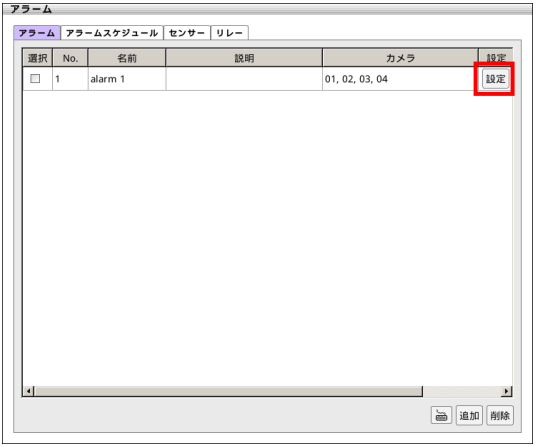
12. アラーム条件の設定を変更するには、作成したアラーム番号の[**設定**]ボタンをクリックします。
    変更を保存するには、[**適用**]をクリックします。
13. アラーム番号を削除するには、削除したいアラーム番号を選択し、[削除]ボタンをクリックします。



4.12.2 アラームアクション設定

アラームが動作（始動）したときにシステムが行うアラームアクションを設定します。（[IP カメラのリレー出力]、および[アップロードファイル]は、サポートしていません。）

1. [**Setup**]タブ ＞ [**アラーム**]の順にクリックします。
2. [**アラーム**]ダイアログボックスで作成したアラーム番号で[**設定**]ボタンをクリックします。
   [**アラーム**]ダイアログボックスからアラーム番号を選択できます。

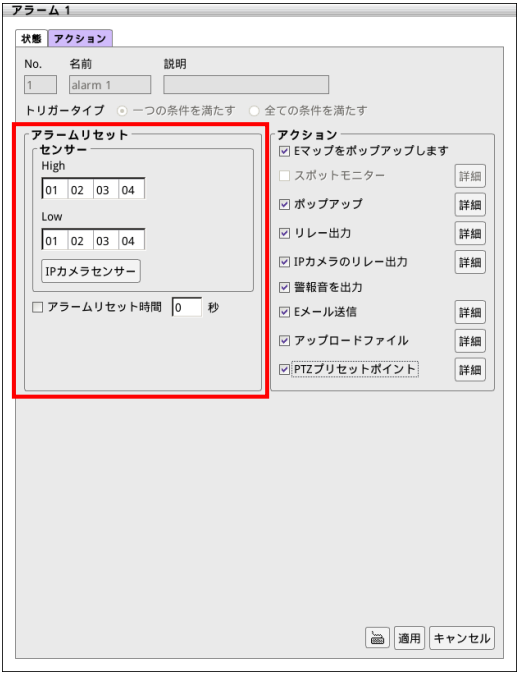


3. [**アクション**]タブを選択します。

4. **番号(No.)**、**名前**、**説明**の欄では、現在のアラームの情報を表示します。

   トリガータイプでは、現在のアラームのトリガー条件を表示します。

5. [**アラームリセット**]セクションでは、アラームのリセット条件を設定するカメラ番号をクリックします。アラームがリセットされると、すべてのアラームアクションが停止します。アラームリセットの正常状態が High 場合、Low にセンサー条件を設定します。センサーはメイク時に high が入力されます。



- **IP カメラセンサー**:ネットワークカメラに接続されたセンサーの High/Low の条件を設定します。
- **アラームリセット時間**:アラームの自動リセットのための時間(0 秒 ～ 300 秒)を設定します。
  動作検知やビデオロスなどのアラームが発生した場合、アラームは設定した時間後にリセットされます。

6. [アクション]セクションでは、アラーム状態になった時、システムが行うアラーム動作を設定できます。
   - **E マップをポップアップします**:アラーム動作時画面上にミニ E マップを表示します。
   - **ポップアップ**:プレビューモードでアラームが起動された場所からビデオ表示に切り換えます。
     a. ドロップダウンリストからカメラを選択し、アラームが動作(始動)された時にどのカメラの映像を画面上に拡大表示するかを指定できます。
     b. **復元時間**:システムが元のプレビューモードに切り換わるまでの待ち時間を設定します。復元時間が未設定の場合、手動で元のプレビューモードに切り換える必要があります。復元時間は 0 秒から 300 秒の間で設定できます。

- **リレー(アラーム)出力**

  アラームが動作している時に、リレー操作を有効/無効に設定できます。

  またリレー操作を停止する前の追加時間を秒単位で延長できます。

  a. リレー出力チェックボックス横の詳細ボタンをクリックします。

  b. [リレー出力]ダイアログボックスで、使用可能なリレーリストから選択し、[**ステータス**]欄ではアラーム動作した際のリレー操作のオン/オフを設定できます。

  c. 復元時間チェックボックスでは、リレー操作時間を延長に関する有効化／無効化ができ、期間を秒単位(0 ～ 300 秒)で設定できます。

  d. [**OK**]をクリックして設定を保存します。

- **IP カメラのリレー出力**

  本機ではサポートしていません。

- **警報音を出力**

  警報音を再生します。

  警報音を止める場合は、[**アラームリセット**]ボタンをクリックします。

  (☞ 詳細は、第 4.17.2 章 をご覧ください。)

- **E メール送信**

電子メールをテキストメッセージで送信できます。

[E メール送信]チェックボックス横の**詳細**ボタンをクリックします。

■ メールサーバー

SMTP サーバーと**ポート**を入力します。使用している電子メールシステムがユーザー識別を必要とする場合、[ログインユーザー]チェックボックスを有効にし、ユーザー名とパスワードを入力します。

■ メール

メール情報を記入します。

[テストアカウント]ボタンをクリックし、メールアドレスが有効であるかを確認できます。

- ✓ **送信元**:送信元の電子メールアドレスを入力します。
- ✓ **宛先および CC**:受信先の電子メールアドレスを入力します。複数の宛先があれば、カンマ(,)またはセミコロン(;)で分割します。
- ✓ **題名**:メッセージのタイトルを入力します。
- ✓ **メッセージ**:メッセージを入力します。
- ✓ **通知間隔**:メール送信に失敗した場合、メール再送信までの時間を設定します。

■ スナップショット

電子メールを送信する際、本機システムは、選択したカメラ画像のスナップショットを作成する。

- ✓ **カメラの選択**:電子メールの送信時に、画像のスナップショットを作成するカメラを選択します。
- ✓ **ビデオサイズ**:スナップショットと共に撮影される映像のサイズを選択します。自動とは本機システムによって選択されたデフォルトのサイズを意味します。

[E メール送信]設定ダイアログボックスで、[**OK**]をクリックして設定を保存します。

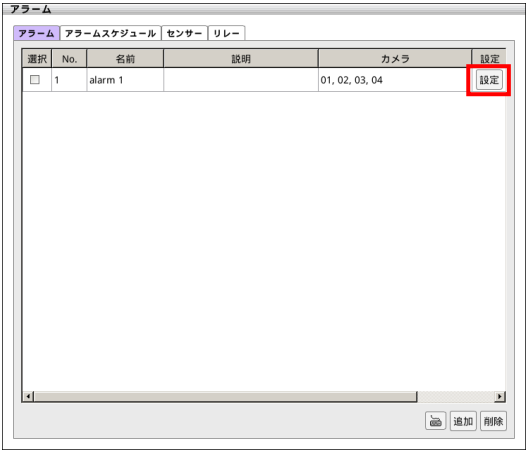
- **アップロードファイル**

  本機ではサポートしていません。

- **PTZ プリセットポイント**

  プリセットポイント設定に基づいて PTZ カメラの位置を決めます。[PTZ プリセットポイント]チェックボックス横の[**詳細**]ボタンをクリックします。[PTZ プリセットポイント] ダイアログボックスで、[**カメラ選択**]ドロップダウンリストから PTZ カメラが接続された番号を選択します。アラーム起動時と終了時の PTZ カメラの位置を選択します。PTZ カメラの停止位置に関して、アラーム停止プリセット番号かオートパンプリセット範囲から選択できます。

7. すべてのアラームアクションを設定したら、[適用]ボタンをクリックして設定を保存します。
8. アラーム条件の設定を変更するには、作成したアラーム番号の[**設定**]ボタンをクリックします。
   変更を保存するには、[**適用**]をクリックします。



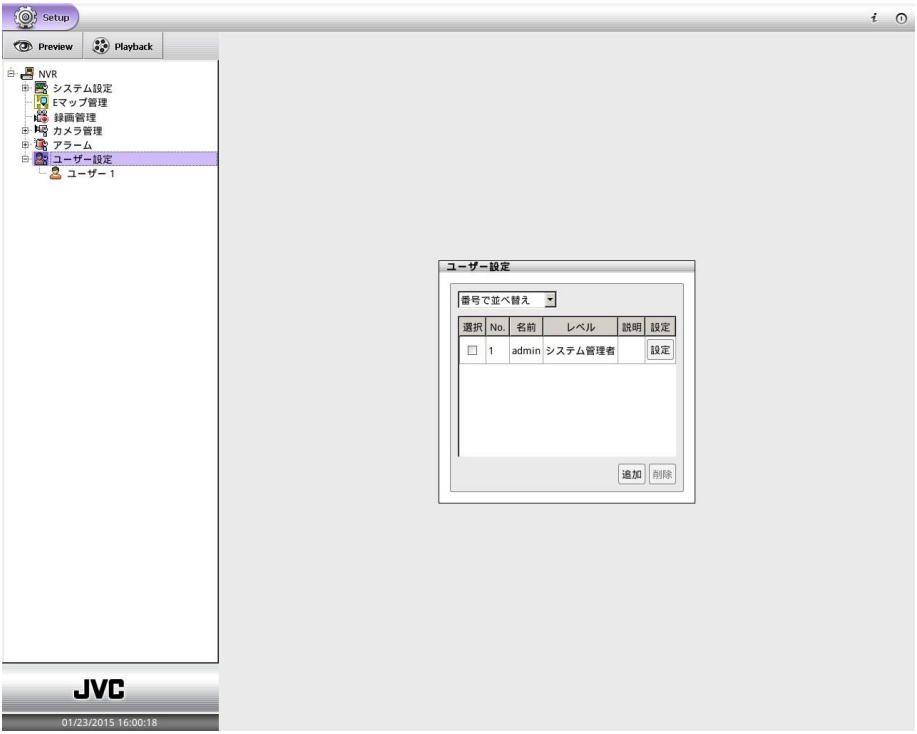
4.13 ユーザーアカウント設定

管理者レベルの権限を持つユーザーがアクセスできます。最大ユーザーアカウント数は、32（admin 含む）です。

4.13.1 ユーザーアカウントの作成

1. [**Setup**]タブをクリックします。
2. **ユーザー設定**をクリックすると、[ユーザー情報] ダイアログボックスが表示されます。

管理者（admin）はデフォルトのユーザーであり、削除できません。

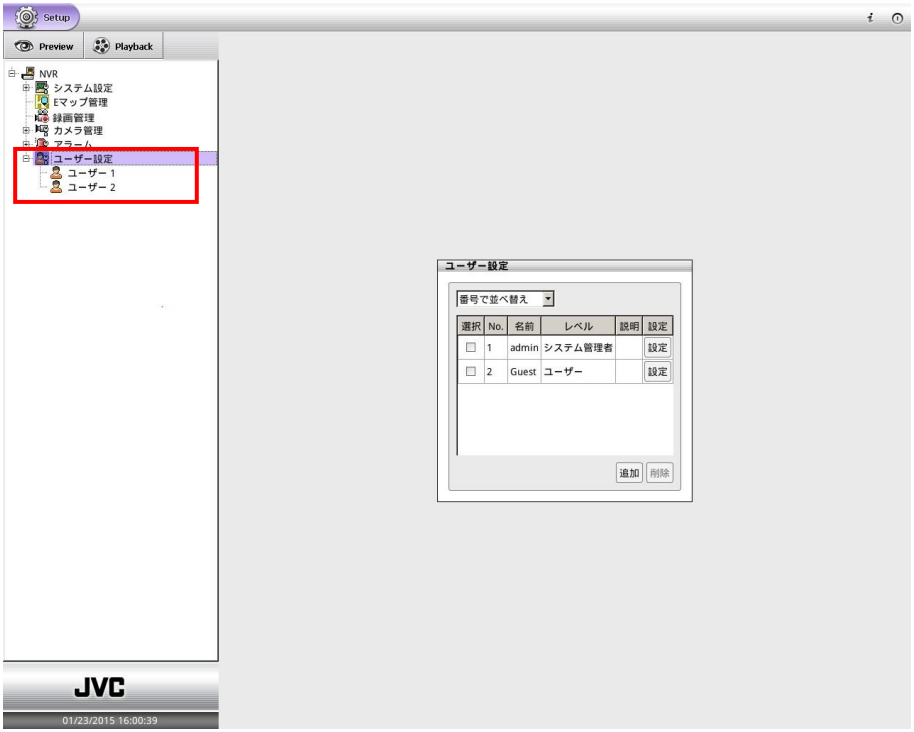


3. [ユーザー設定]ダイアログボックスで新しいユーザーアカウントを追加するには、[追加]をクリックします。

4. ［ユーザー設定］ダイアログボックスで、次の情報を入力します。

- **名前**：ユーザー名を入力します。
- **説明**：ユーザーの説明を入力します。
- **パスワード**：パスワードを入力します。
- **パスワード確認**：確認のため、同じパスワードを入力します。
- **権限レベル**：ユーザーのステータスを選択します。システム管理者は全ての権限を持ちます。
- **可視カメラ**：ユーザーがアクセスしたり、閲覧したりできるカメラを選択できます。すべてのカメラを選択するには、チェックボックス［**全部**］にチェックを入れます。
- **リモートアクセスタイム**：時間制限なしで本機にアクセスするには、［**無制限**］にチェックを入れます。時間制限を設けたい場合は、チェックをはずし、［**分**］テキストボックスに数字を入力します。
- **操作権限**：ユーザーが利用できる操作を選択できます。
- **有効期間**：ユーザーに与えられたアカウントで本機にログインできる時間を指定できます。
  ユーザーアカウントで有効期間を設定する場合は、［**有効**］にチェックを入れ、**開始日**および**終了日**を設定します。

5. 設定を保存するには[**適用**]をクリックします。追加したユーザーアカウントが、ユーザー設定に表示されます。

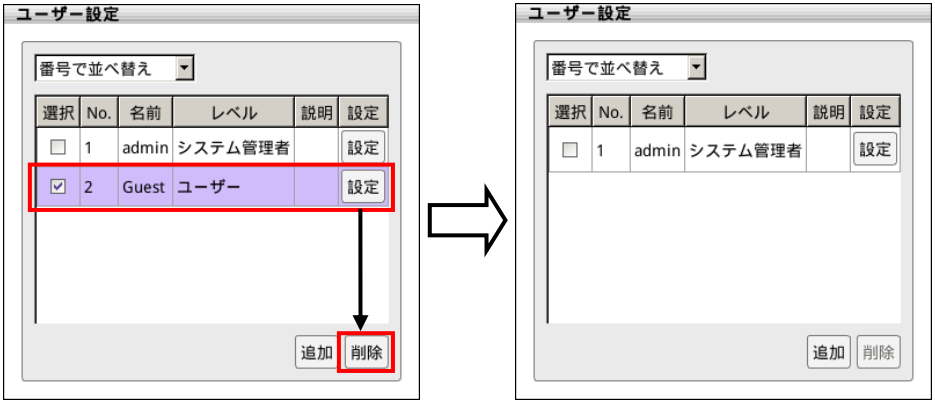


6. 別のユーザーアカウントを追加する場合は、上記の手順を繰り返します。
7. ユーザーアカウントを変更するには、[ユーザー設定]ダイアログボックスで、設定を変更するユーザーアカウントの[**設定**]をクリックします。

4.13.2 ユーザーアカウントの削除

不要な期限切れのユーザーアカウントを削除できます。

1. [**Setup**]タブをクリックします。
2. [**ユーザー設定**]をクリックし、ユーザー設定ダイアログボックスを表示させます。
3. [ユーザー設定]ダイアログボックスで削除するユーザーアカウントにチェックを入れ、[**削除**]ボタンをクリックし削除します。

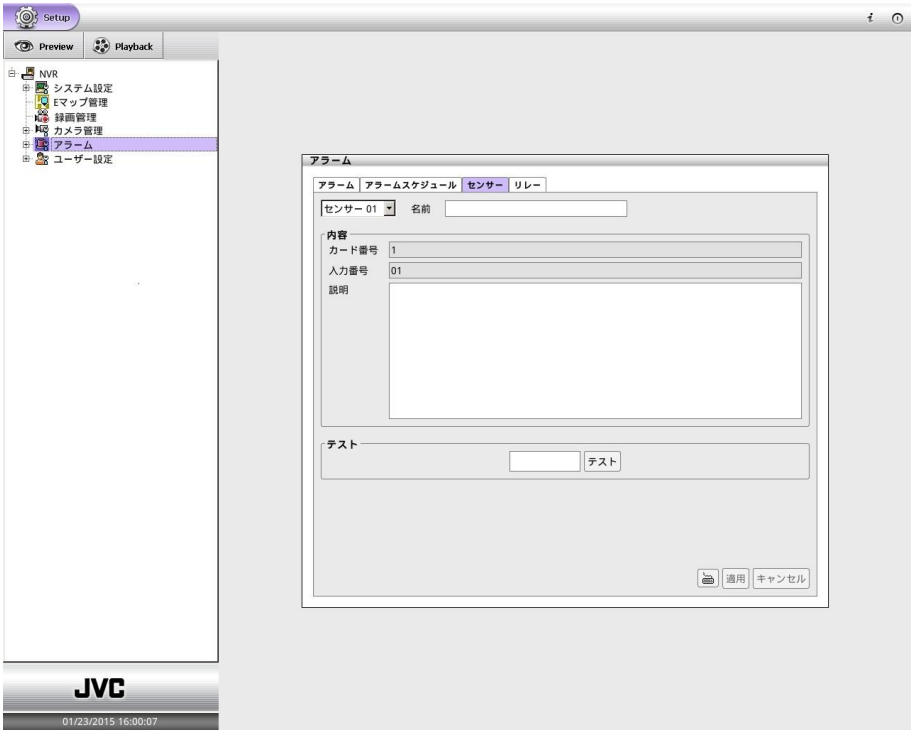


4.14 I/O 設定

I/O デバイスのステータスを設定します。

4.14.1 センサー設定

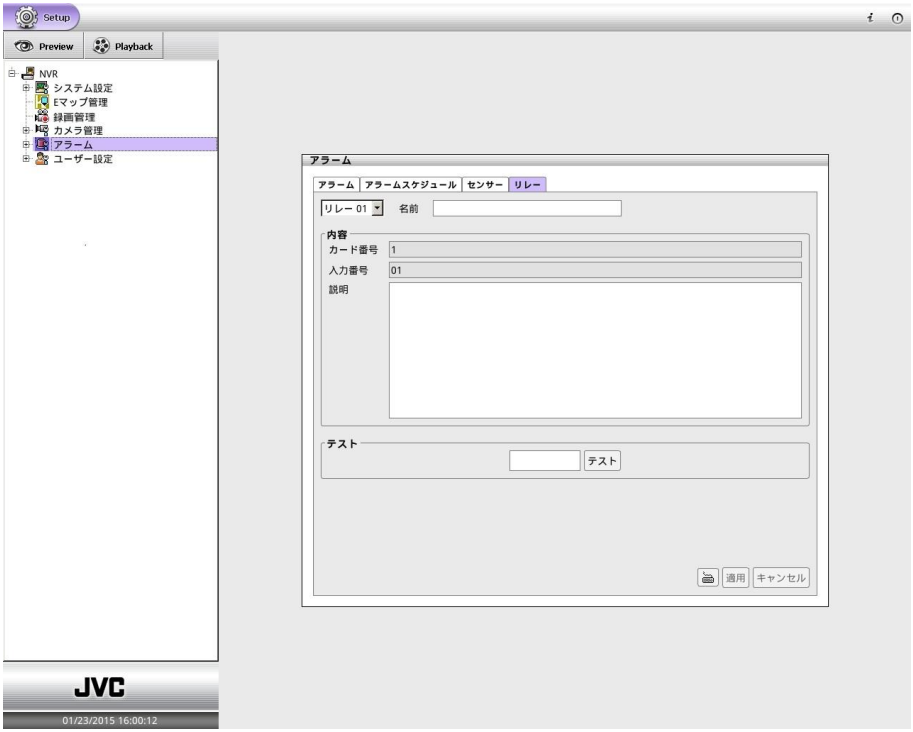
1. [**Setup**] タブ > [**アラーム**] > [**センサー**]タブをクリックします。



2. ドロップダウンリストをクリックし、**センサー番号**を選択します。
3. [名前]欄にセンサー名を入力します。
4. システムは自動的にカードおよび入力番号を検出します。[**内容**]セクションでは、説明欄にセンサーの簡単な説明を入力できます。
5. センサーの状態を確認するために[**テスト**]をクリックします。
   入力されている信号が High の場合は、ボックス欄に赤を表示、Low の場合は、緑を表示します。センサーはメイク時に High が入力されます。
6. 設定を保存するには、[**適用**]をクリックします。

4.14.2 リレー設定

1. [**Setup**]タブ > [**アラーム**] > [**リレー**]タブをクリックします。



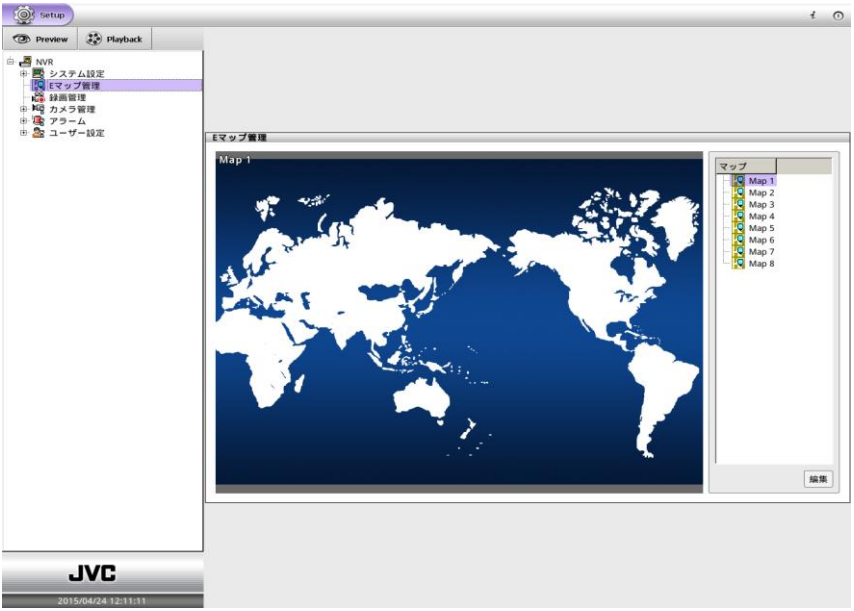
2. **リレー番号**を選択します。(**リレー2 は、本機ではサポートしていません。**)
3. [**名前**]欄にリレー名を入力します。
4. システムは自動的にカードおよび入力番号を検出します。
   [**内容**]セクションでは、**説明**欄にリレーの簡単な説明を入力できます。
5. リレーの状態を確認するために[テスト]をクリックします。出力されている信号が High の場合はボックス欄に赤を表示、Low の場合は緑を表示します。
6. 設定を保存するには、[**適用**]をクリックします。

4.15 E マップ管理

E マップは「*.jpg」または「*.png」形式で、8 つまで表示できます。
マップ上で、カメラ・センサー・リレーを見ることができます。

4.15.1 E マップ の設定

1. [**Setup**]タブ > [**E マップ管理**]をクリックします。
2. [E マップ]ダイアログボックスが画面に表示されます。



3. [**編集**]ボタンをクリックして、E マップセットアップモードに切り換えます。

4. 設定したいマップ番号(1～8)をクリックします。

5. 次に、編集( )アイコンをクリックして[**E マップ設定**]ダイアログボックスが表示されたら、ファイルを開くアイコン( )をクリックしてファイルを選択し、[**OK**]をクリックします。
   [**E マップ設定**]ダイアログボックスにて[**OK**]をクリックすると選択されたファイルが表示されます。
   設定を保存するには[**リソース**]ダイアログボックスの[**OK**]をクリックします。

6. 挿入されたマップが E マップ画面に表示されたら、地図上の該当する場所に、カメラ、センサー、リレーアイコンをドラッグできます。マップ上のアイコンは再配置できます。アイコンを地図上の他のエリアに配置したい場合は、E マップ上のアイコンを右クリック、**削除**をクリックしてリソース一覧に該当するアイコンを戻します。

利用可能なアイコンは、次のような表示となります:(カメラ)、(センサー)、(リレー)
利用不可なアイコンは、次のような表示となります:(カメラ)、(センサー)、(リレー)。

---

7. 設定が完了したら、[**OK**]ボタンをクリックして新しい設定を保存します。

4.16 POS 設定(本機ではサポートしていません)

4.17 ログビューア

システム内で行われる活動（アラーム、イベント）の記録を表示します。
特定ログを閲覧したり、検索したりできます。

4.17.1 イベントログビューアの使用方法

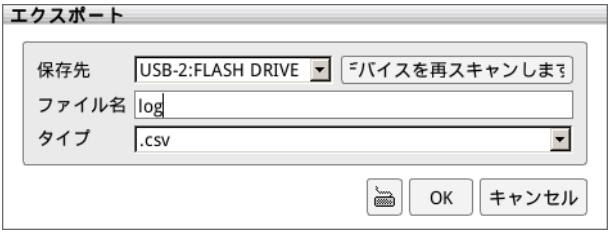
1. プレビュー画面上のライブ映像をクリックして検索したいライブ映像を選択します。
2. イベントログアイコン（ ）をクリックします。
3. ［イベントログビューア］ダイアログボックスが表示され、画面の左下に配置されます。

アイコンをクリックすると、画面上にイベントログビューアダイアログボックスを展開できます。

4. ログをフィルタリングするには、[**タイプ**]から[**システム**]、[**ネットワーク**]、[**オペレーション**]、[**イベント**]、または[**全部**]をクリックして選択します。

5. [**開始日時**]および[**終了日時**]で期間を設定し、ログを検索します。
6. 特定のキーワードで特定のログを検索することもできます。
7. [**検索**]ボタンをクリックして検索を開始します。検索結果は、下の欄に表示されます。
   [**さらに**]ボタンをクリックして、さらなるイベントログを表示します。

8. イベントログをクリックすると、ログの時刻に対応した映像を閲覧できます。
9. [**エクスポート**]ボタンをクリックすると、USB メモリーにログ結果を「*.csv」ファイル形式で保存できます。
10. USB メモリーを本機から取り出します。(☞ 詳細は、第 4.7.3 章 をご覧ください。)



4.17.2 アラームログビューアの使用方法

アラームログビューアは、プレビューおよびプレイバックモードの両方にサポートされています。

アラームイベントの閲覧

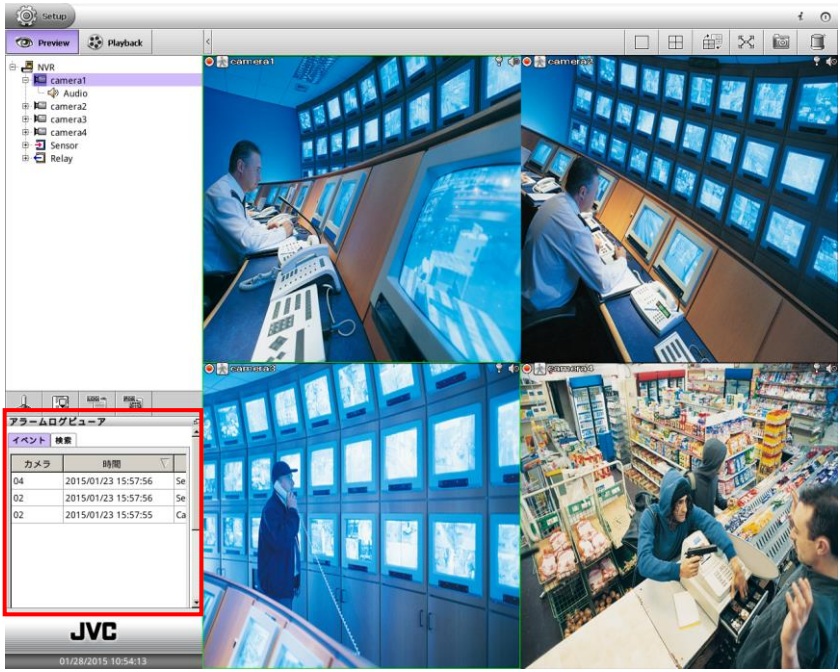
警告情報をアラートし、表示します。

1. 画面右上にあるアラームログアイコン( )をクリックします。
2. [アラームログビューア]ダイアログボックスが表示され、画面の左下に配置されます。

アイコンをクリックして、画面上にアラームログビューアダイアログボックスを展開できます。

---

3. 全てのアラームイベントを表示するには、[**イベント**]タブをクリックします。



4. すべてのアラームイベントのステータスをリセットするには、[**アラームリセット**]ボタンをクリックします。
   警報音がなっている場合は、警報音が停止します。
5. アラームイベントのリストを更新するには、[**リスキャン**]ボタンをクリックします。
6. アラームイベントをダブルクリックすると、イベントの映像を再生できます。

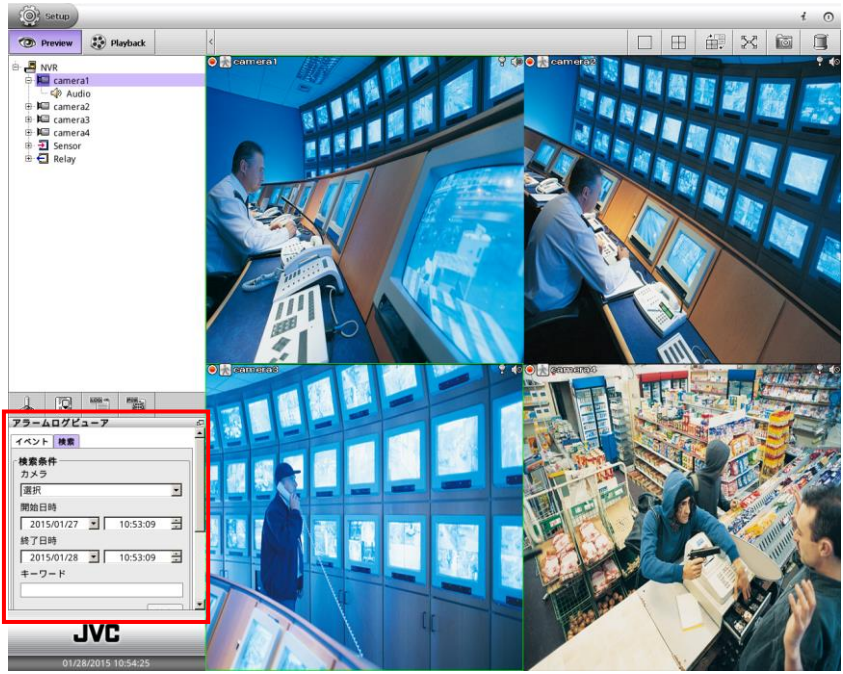
アラームイベントログの検索

特定のアラームイベントを検索します。

1. アラームログアイコン( )をクリックします。
2. ［アラームログビューア］ダイアログボックスが表示され、画面の左下に配置されます。

アイコンをクリックして、画面上にアラームログビューアダイアログボックスを展開できます。

3. ［アラームログビューア］ダイアログボックスの［**検索**］タブをクリックします。



[アラームログビューア]ダイアログボックスで、検索したい[**カメラ**]を選択します。(複数のカメラ選択も可能です。)

4. [**開始日時**]および[**終了日時**]で検索期間を設定します。
5. 特定のキーワードによる検索は、[**キーワード**]欄に該当キーワードを入力します。
6. [**検索**]ボタンをクリックして検索を開始します。
7. 検索結果は、下の欄に表示される。[さらに]ボタンをクリックして、さらなるイベントログを表示します。

8. [**エクスポート**]ボタンをクリックすると、USB メモリーにログ結果を[*.csv]ファイル形式で保存できます。
9. エクスポート後は USB メモリーを本機から取り出します。(☞ 詳細は、第 4.7.3 章 をご覧ください。)
10. アラームイベントをダブルクリックすると、イベントの映像を再生できます。

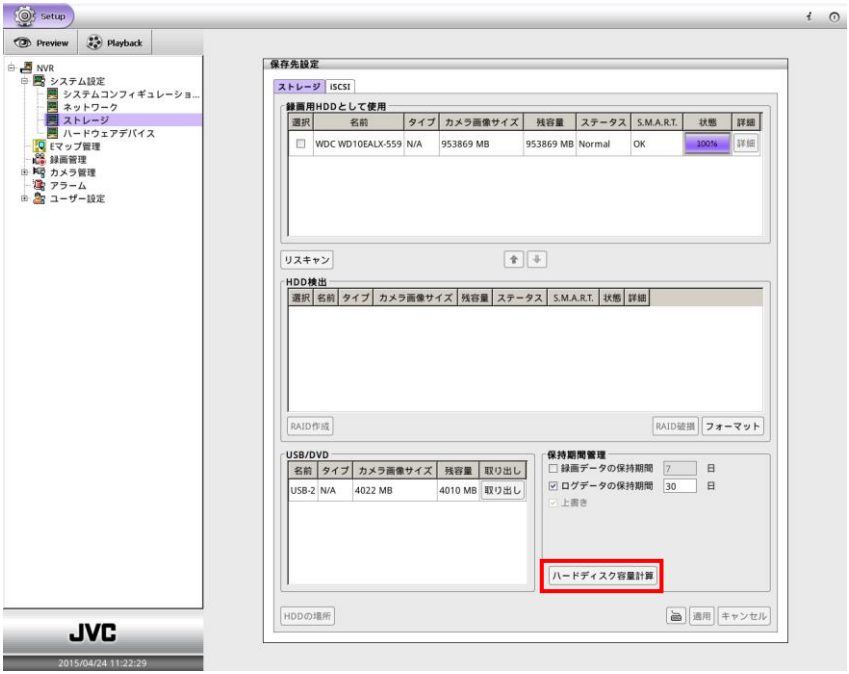
4.17.3 POS ログビューアの使用方法(本機ではサポートしていません)

4.18 システムツール

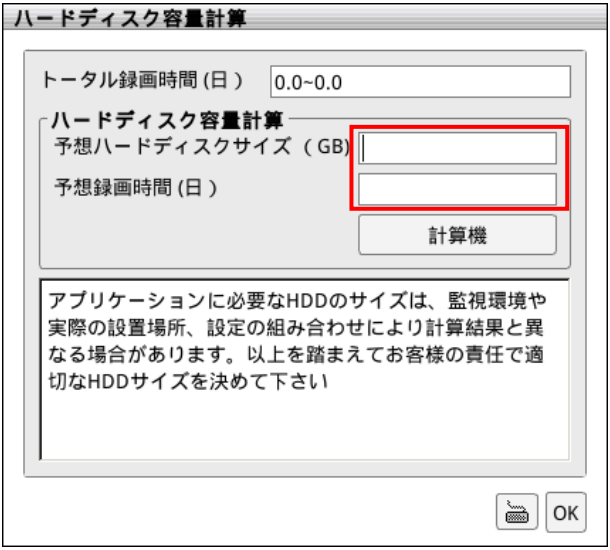
4.18.1 ハードディスク容量計算

ハードディスクの記録容量を計算します。(計算結果は参考用の概略値です。)ハードディスクの記録容量は、ビデオシーンの複雑さと、実際の録画画質によって変化します。

1. [**Setup**]タブ > [**システム設定**] > [**ストレージ**]タブをクリックします。
2. [**ハードディスク容量計算**]ボタンをクリックします。



3. [トータル録画時間(日)]は、録画設定および現在のハードディスク残容量を元に予想される記録日数が表示されます。
4. [**予想ハードディスクサイズ(GB)**]にハードディスク容量を入力し[**計算機**]ボタンをクリックすると、[**予想録画時間(日)**]に予想される記録日数が表示されます。
5. [**予想録画時間(日)**]に日数を入力し[計算機]ボタンをクリックすると、[予想ハードディスクサイズ]に録画に必要な予想ハードディスクサイズ(容量)が表示されます。



4.18.2 オンスクリーンキーボードの使用方法

設定ダイアログボックスに必要な情報を入力するために、オンスクリーンキーボードを使用できます。

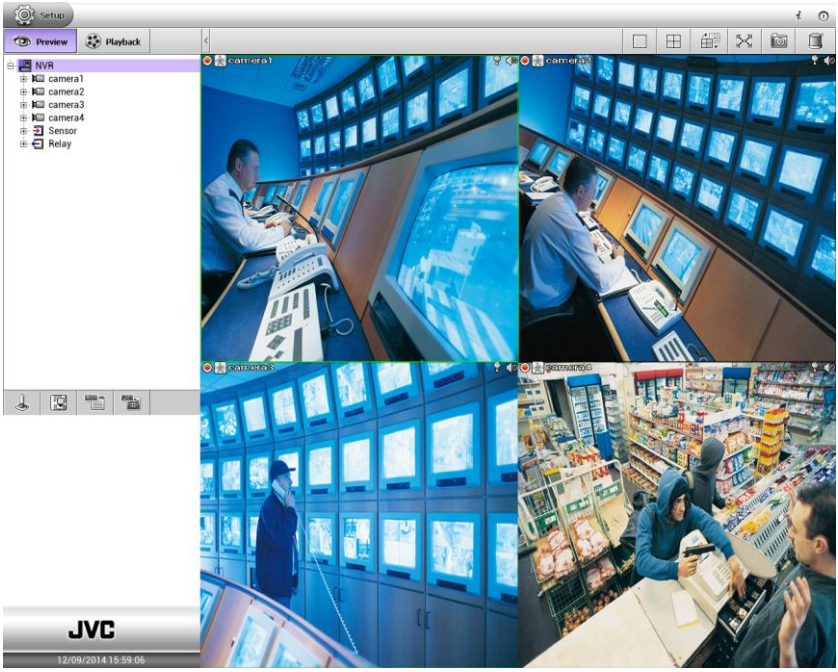
をクリックして、オンスクリーンキーボードを呼び出します。大文字を入力するには[**Caps**]ボタンをクリックします。

オンスクリーンキーボードを閉じるには、[**Esc**]をクリックするか、 を再度クリックします。

第５章　プレビューモードでの監視機能

本機システムの設定後、プレビューモードで監視を開始できます。

以下の章では、プレビューモードでの監視機能を説明します。（双方向音声機能は、サポートしていません。）



5.1 カメラ映像の管理方法

必要に応じて、映像の表示位置を変更できます。
プレビュー画面のカメラリストでカメラの映像を表示したい位置にカメラをドラッグします。画面上でライブ映像を閲覧できるようになります。

表示位置は、ほかの位置に移動することができます。移動したいライブ映像をクリックして、表示したい位置にドラッグします。
例）カメラ 1 をカメラ 4 に切り換える：カメラ 1 は、カメラ 4 の位置に切り換わり、カメラ 4 は、カメラ 1 の位置に切り換わります。

オートスキャンが有効になっている場合は、画面の位置を変更することはできません。

5.2 アイコンおよびフィギュアの説明

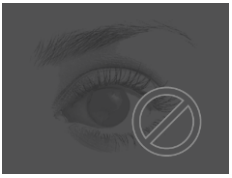
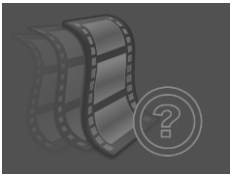
■ **画面アイコンの説明**

	以下アイコンは、現在の録画状態を示しています。 - **レッド**( ) : 録画中 - **グレー**( ) **:** 録画停止中
	以下アイコンは、モーション録画状態を示しています。 - **レッド**( ) : モーション録画中 - **グレー**( ) **:** モーション録画停止中
	オーディオ再生の有効／無効状態を示しています。 アイコンをクリックして、オーディオの再生を有効または無効にできます。
	双方向音声機能の有効／無効状態を示しています。 **ご注意:** 音声出力（例：スピーカーなど）デバイスには、本機およびネットワークカメラの両方に接続する必要があります。

■ **画面上フィギュアの説明**

録画中、およびプレイバック中に以下フィギュアを表示することがあります。

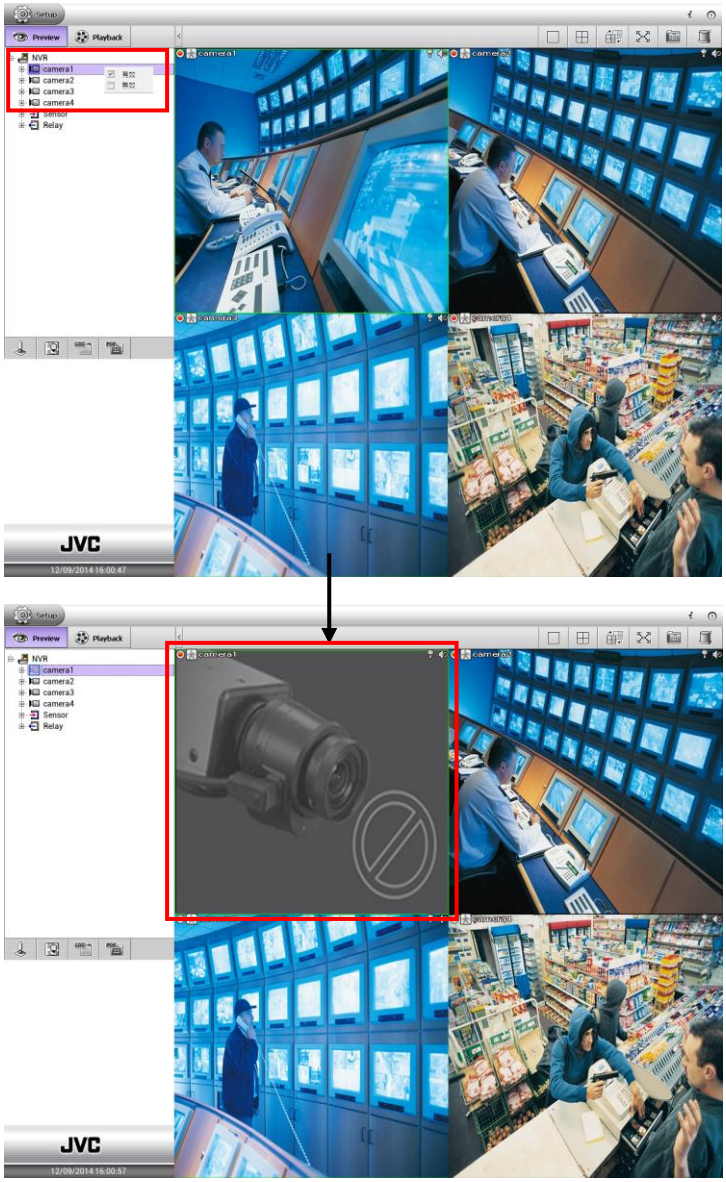
それぞれの説明は、次の通りです。

カメラが無効化されています	映像を閲覧する権限がありません	ビデオロス （映像信号の入力がない場合など）
		

録画データなし （プレイバックモード）	

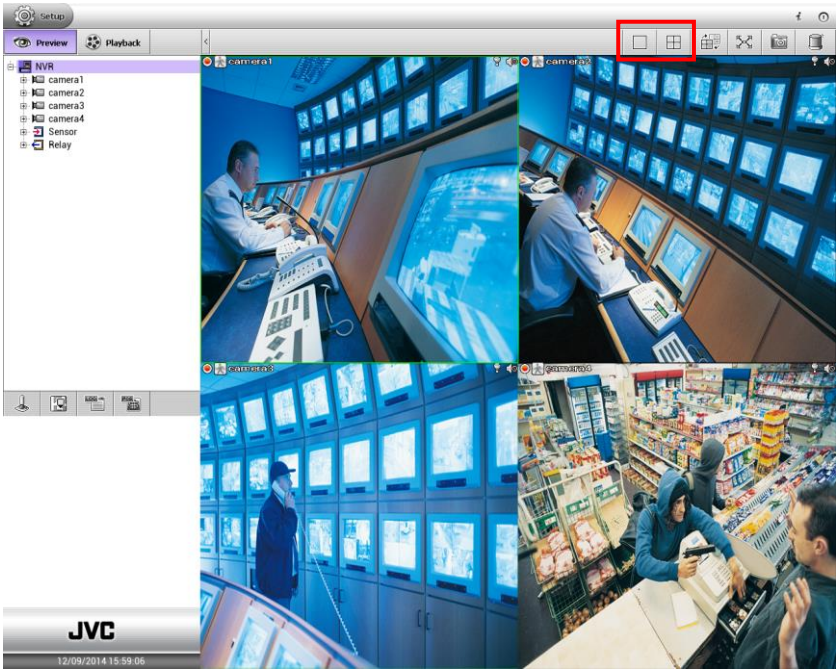
5.3 カメラの有効化/無効化

カメラリストでカメラを有効/無効にすることができます。
カメラを無効にしますと、録画および録音機能の両方が無効になります。
カメラリストのカメラを右クリックし、カメラの無効または有効を選択します。



5.4 画面表示モードの変更

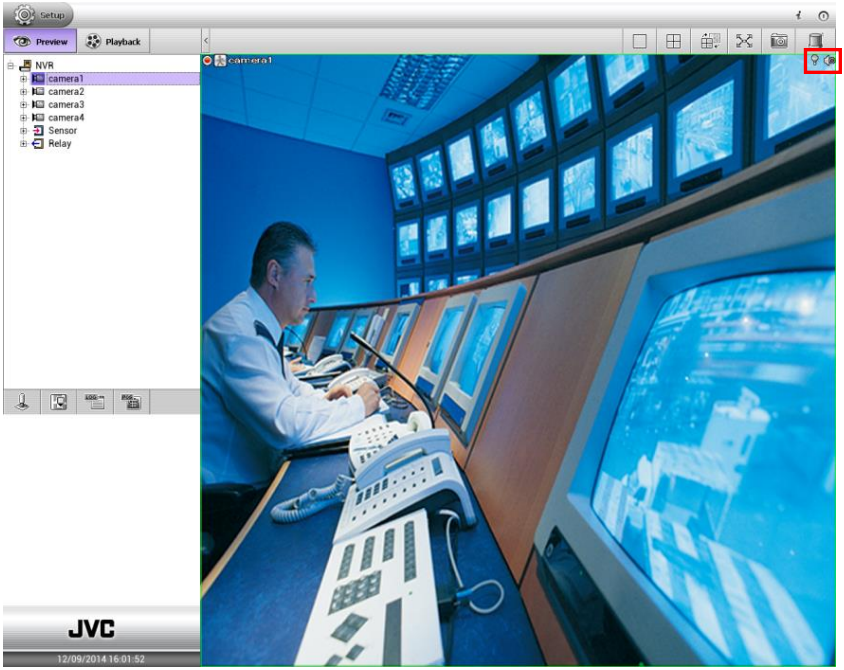
本機では、次の 2 通りの画面表示モードの変更が可能です。(1 画面(□)表示、および 4 分割画面(⊞)表示。)
画面表示モードを選択するには、画面表示のアイコンをクリックします。



5.5 音声の有効化(オン)/無効化(オフ)

5.5.1 映像表示領域のオーディオアイコン

1. オーディオアイコン( )をクリックして、音声をオフ(消音)にすることができます。
2. オーディオアイコン( )を再度クリックすると、音声がオンになります。
   オン: 本機の音声出力端子から指定のカメラの音声を出力します。
   4 分割画面表示では1つのカメラ音声のみがオンとなります。



5.5.2 カメラリストのオーディオアイコン

1. [**Preview**]タブ > [**NVR**] > [**+**] > [**camera1**] > [**+**]をクリックし展開します。
2. Audio( )アイコンを右クリックしオン、オフを切り換えます。
3. [camera2]、[camera3]、[camera4]も同様に設定します。

■ **オン:** カメラから音声を受信し録音します。

■ **オフ:** カメラからの音声を受信しません。

5.6　4分割画面表示から1画面表示への切り換え

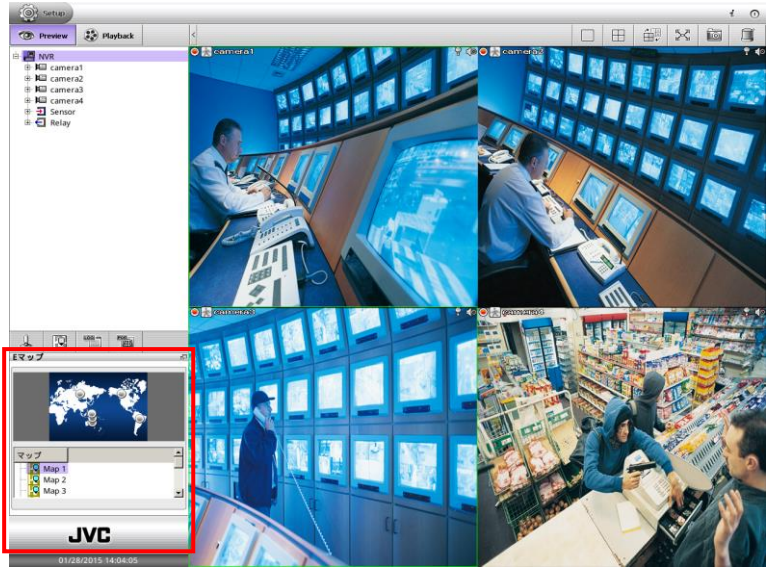
4分割画面表示を1画面表示画面に切り換えるには、1画面表示にしたい画面をダブルクリックします。
画面を再度ダブルクリックすると、1画面表示が4分割画面表示に切り換わります。

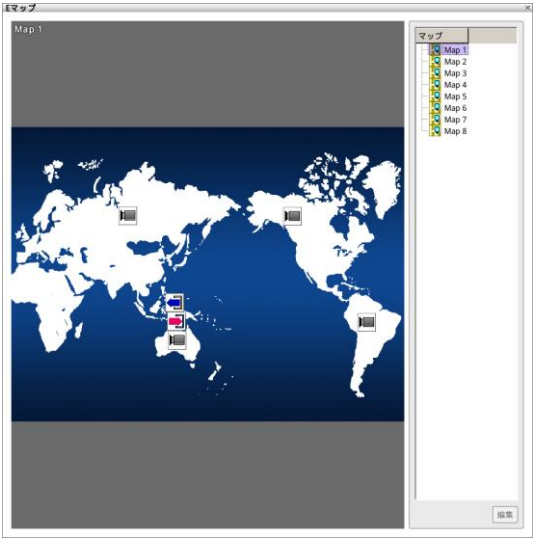
5.7 E マップ の閲覧

E マップ( )をクリックして、[**E マップ**]ダイアログボックスを呼び出します。[**E マップ**]ダイアログボックスで( )アイコンをクリックし、画面上で E マップダイアログボックスを展開表示します。

[**E マップをポップアップします**]に設定しアラームが発生した場合、マップ上のアイコンは点滅状態に変わります。

マップ番号をクリック(例:Map 2)しますと、選択したマップに切り換わります。

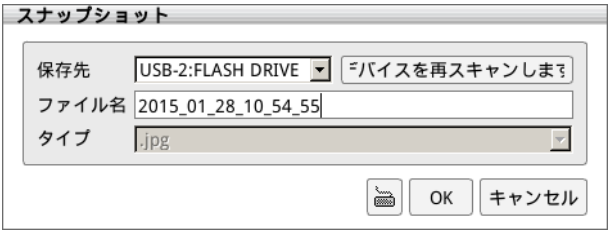




5.8 画面のスナップショット

現在表示画面をキャプチャーし、USB メモリーなどに「*jpg」形式で保存できます。

1. 本機の USB 端子に、USB メモリーを接続します。
2. プレビューモードで、スナップショット( ) ボタンをクリック、スナップショットダイアログボックスが表示されます。



3. ファイル名を変更する場合は、[ファイル名]欄に新しいファイル名を入力します。
4. [**OK**]ボタンをクリックすると、キャプチャーした画像を USB メモリーに保存できます。
5. USB メモリーを本機から取り出します。(詳細は、第 4.7.3 章 をご覧ください。)
6. キャプチャーした画面は以下の図のように記録されます。
   画面スナップショットファイルには、日付および時刻が表示されます。

5.9 フルスクリーン（全画面表示）

プレビューモード画面を全画面表示モードで閲覧できます。

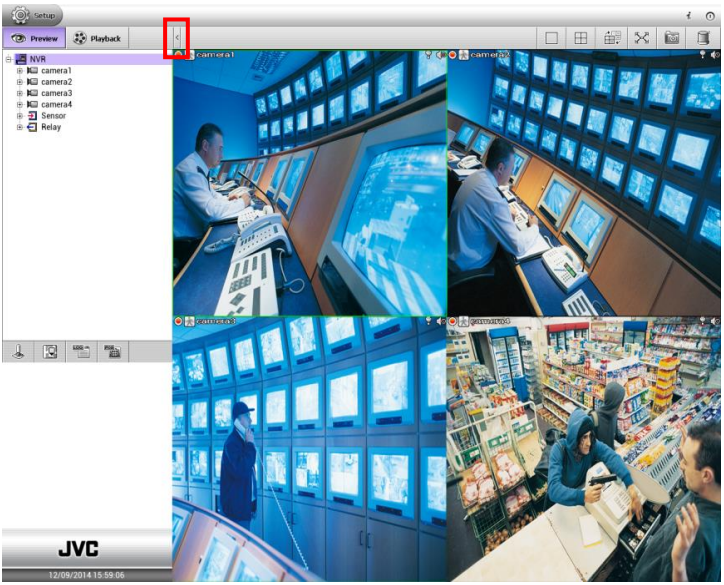
プレビューモードで全画面アイコン（ ）をクリックし、全画面表示に切り換えます。

右下隅のアイコン（ ）をクリックして、通常のプレビューモード画面に戻ります。

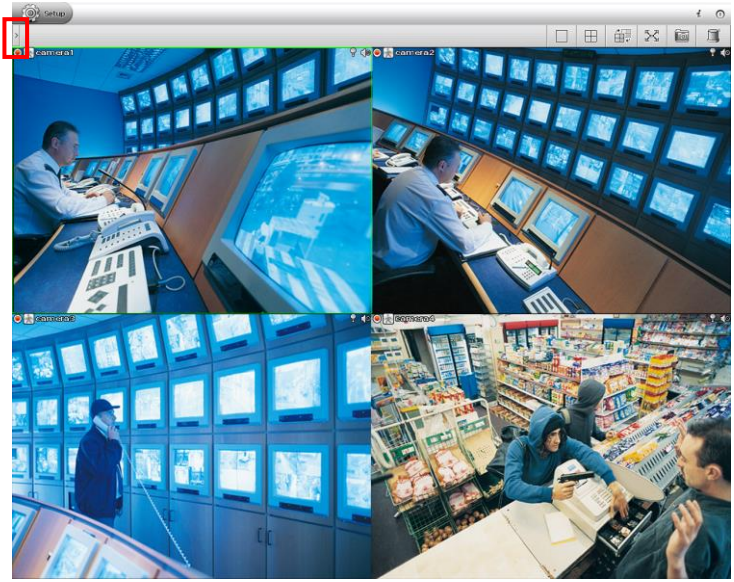
5.10 カメラリストの非表示

カメラリストを非表示にできます。

プレビューモードで < アイコンをクリックすると、カメラリストが非表示となります。



カメラリストを再度表示するには、> アイコンをクリックします。

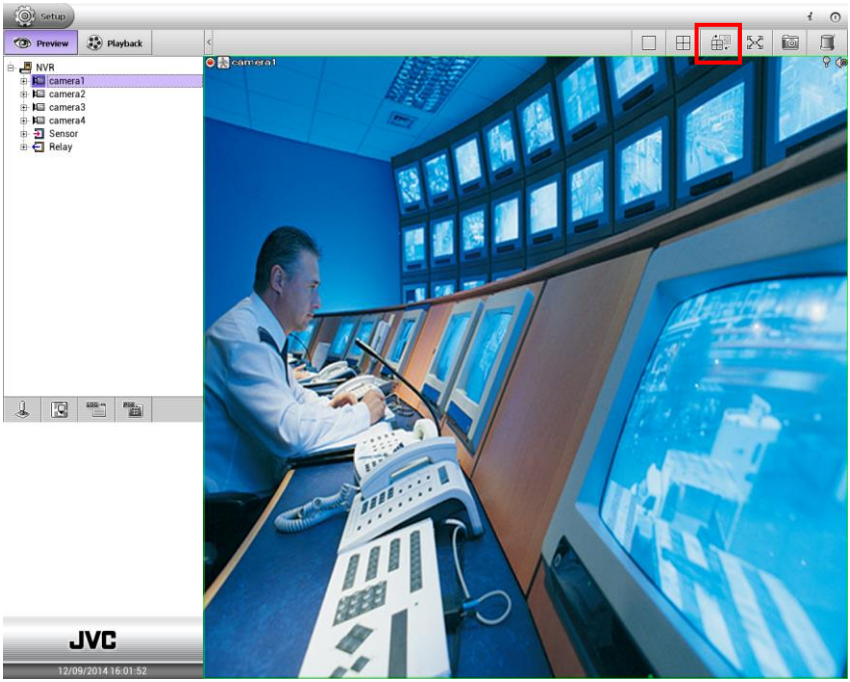


5.11 オートスキャン

画面をオートスキャン機能で表示するには、 をクリックします。

オートスキャンを停止するには、 を再びクリックします。

4分割画面表示の場合、オートスキャン機能は動作しません。
カメラが未登録の CH も含め、全ての CH をオートスキャンします。



5.12 双方向音声機能の有効化/無効化（本機ではサポートしていません）

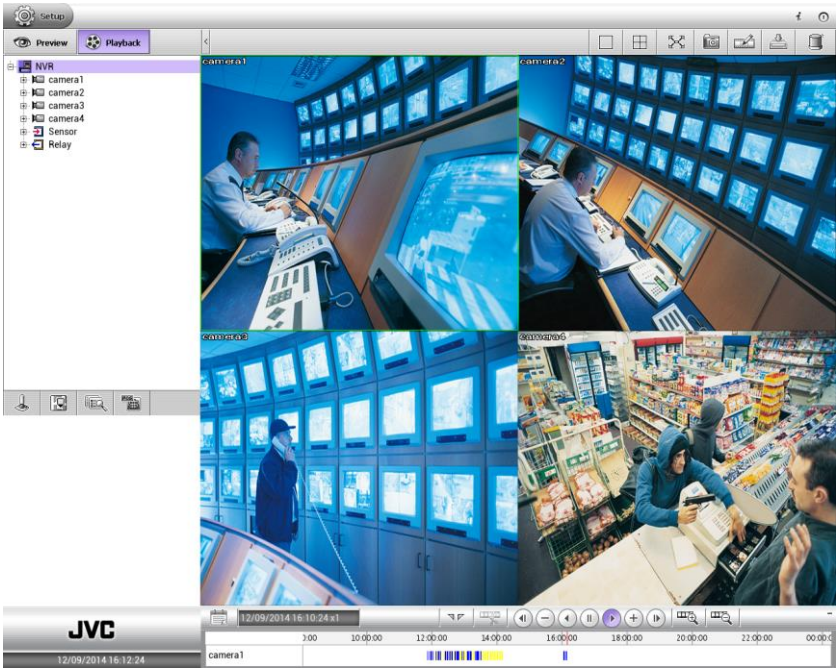
第６章　本機システムでの録画映像のプレイバック

この章では、様々な方法で本機に録画された映像を再生する方法を説明します。
またプレイバックモードで操作できる機能の一部を紹介します。

6.1　録画した映像を再生する

本機に録画された映像を再生できます。

1. プレビューモードで[**Playback**]タブをクリックして、プレイバックモードに切り換えます。



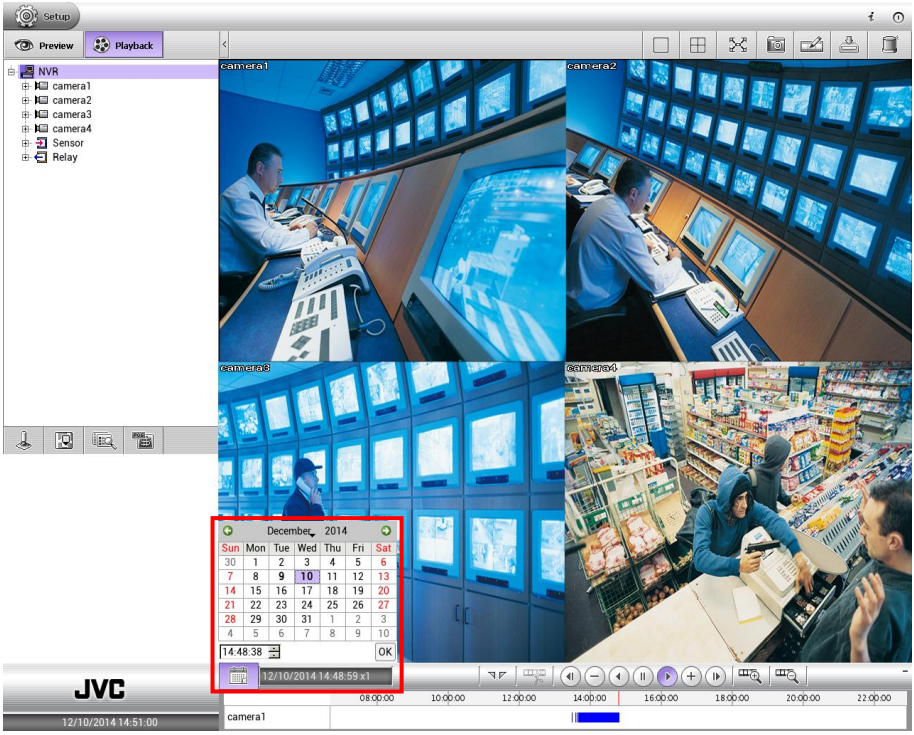
2. プレイバックモードでの機能ボタンの説明について。(☞　詳細は、第 5.3 章 をご覧ください。)

6.2 特定の日付/時刻の再生

特定の日付および時刻の映像を選択できます。

ご注意:セグメントが設定されている場合は、キャンセルしてから実行してください。

1. プレイバックモードで**カレンダー**( )アイコンをクリックします。
2. [カレンダー]ダイアログボックスで、再生したい日付(日、月、年)を選択します。
   太字テキストは、記録されたデータが存在することを示します。 や アイコンをクリックして日付を切り換えるか、月の横のアイコン ▼ をクリックすると、月を選択できます。西暦を切り換えるには、年のテキストをクリックし、スピンボタンをクリックして選択します。
3. 時刻ボックスで、時間、分、そして秒を選択して再生起動時刻を設定します。
   時間をクリックして、スピンボタンを使用して時間を調整することも可能です。分、秒の選択も同様に行います。
4. 日付と時刻を選択した後、[**OK**]をクリックして再生を開始します。

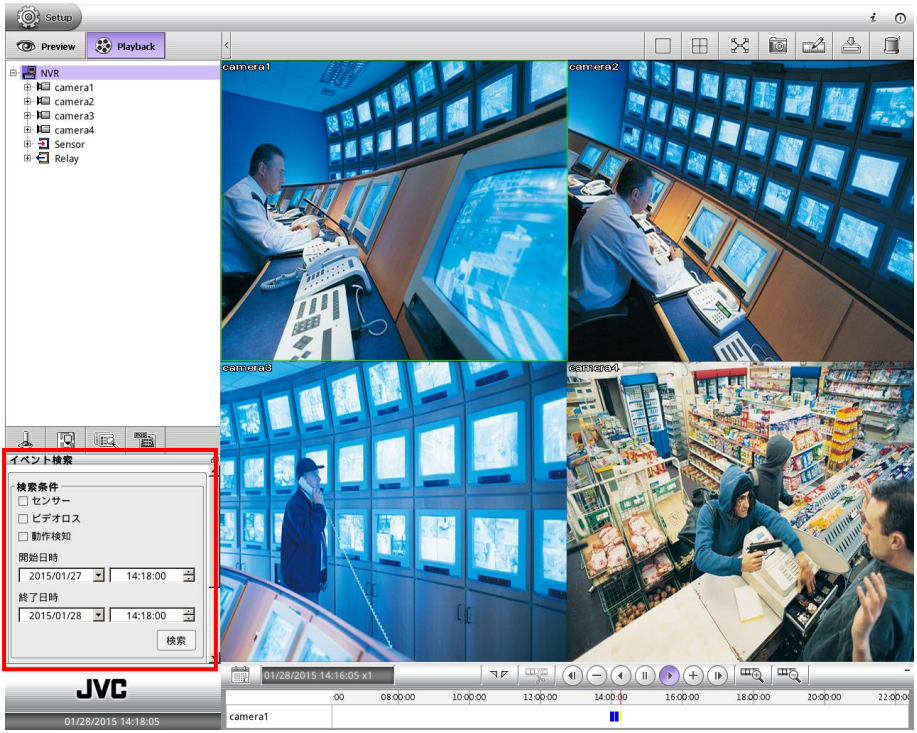


6.3 イベント検索を使用した再生

プレイバックモードでは、イベント検索を使用して、再生したい特定のイベントを検索することができます。

ご注意：セグメントが設定されている場合は、キャンセルしてから実行してください。

1. 検索したいカメラ画像をクリックします。
2. **(検索)アイコン** > (**イベント検索**)をクリックします。[イベント検索]ダイアログボックスが画面左下に表示されます。



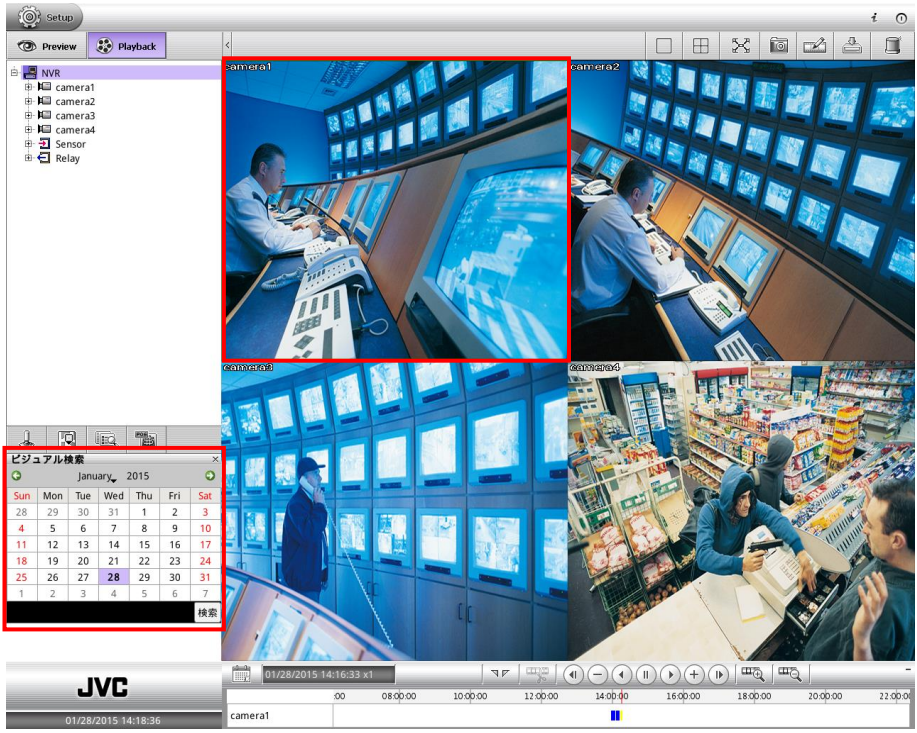
3. [イベント検索]ダイアログボックスでは、検索したい条件の項目にチェックを入れます。
   その後、[**開始日時**]および[**終了日時**]を設定します。
4. 次に[**検索**]をクリックして検索を開始します。
5. イベント一覧が表示されたら、閲覧したい項目をクリックして選択すると録画画像が再生されます。
6. イベント検索ダイアログボックスを閉じるには、☒ アイコンをクリックします。

6.4 特定時間のビジュアル検索

プレイバックモードでは、ビジュアル検索（サムネイルを一覧表示する機能）を使用し再生したい特定時間を検索することができます。

ご注意：セグメントが設定されている場合は、キャンセルしてから実行してください。

1. **（検索）アイコンをクリックし、** **（ビジュアル検索）**アイコンを選択します。
   [ビジュアル検索]ダイアログボックスが、エリアの下に表示されます。
2. 検索したい映像をクリックします。
3. ビジュアル検索ダイアログボックスで、日付を選択します。 や アイコンをクリックして月を切り換えるか、月の横のアイコン ▼ をクリックすると、月を選択できます。西暦を切り換えるには、西暦のテキストをクリックし、スピンボタンをクリックして選択します。
4. 次に[**検索**]をクリックして検索を開始します。



5. 検索した日付を最後に 16 日前までの一連の画像が日付順に表示されます。

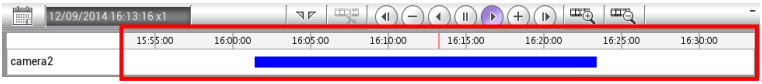
   : 閲覧したい日付の画像を選択し、ボタンを押す毎に、2 時間毎→8 分毎→30 秒毎の画像を表示します。
   : 画面を前の状態に戻します。

6. 選択した画像を再生するには、 ボタンをクリックします。

6.5 録画データにブックマークを付ける

特定の時間にブックマークを付与することができます。

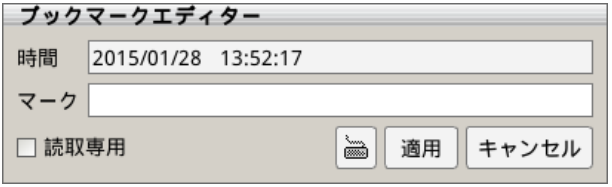
1. ブックマークしたい時間へ、マウスを使ってプレイバック時間のプレイバックタイムバーを動かします。



2. アイコンをクリックすると、[ブックマーク]ダイアログボックスが画面に表示されます。

3. [**追加**]ボタンをクリックして、ブックマークダイアログボックスに新しいブックマークを作成します。マークに関する説明または名前を入力して、[**適用**]ボタンをクリック、ブックマークを保存します。[**読取専用**]にチェックをいれ保存すれば、誤ってブックマークファイルを削除することを防ぐことができます。

読取専用でブックマークを保存した場合、ファイルの上書きができなくなります。ブックマークを削除したい場合は、ブックマーク一覧で削除したいファイルにチェックを入れてから、編集ボタンを押してください。ブックマークエディターの画面が現れますので、[**読取専用**]のチェックをはずして再度保存するとファイルが削除可能な状態になります。



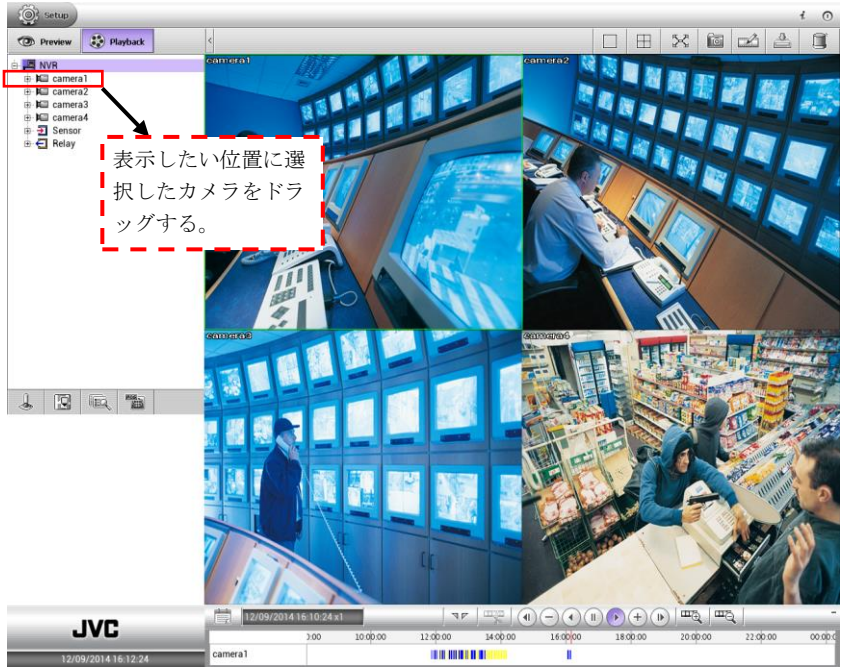
4. ブックマークを確認するには、ブックマークダイアログボックスで確認したい番号をダブルクリックします。
5. ブックマークを修正するには、ブックマークを選択し、[**編集**]ボタンをクリックします。
6. ブックマークを削除するには、ブックマークを選択し、[**削除**]ボタンをクリックします。
7. ブックマークダイアログボックスを閉じるには、 ☒ アイコンをクリックします。

6.6 プレイバックモードの管理

6.6.1 映像表示位置の管理

必要に応じて、映像の表示位置を変更できます。
プレビュー画面のカメラリストでカメラの映像を表示したい位置にカメラをドラッグします。画面上でライブ映像を閲覧できるようになります。

表示位置は、ほかの位置に移動することができます。移動したいライブ映像をクリックして、表示したい位置にドラッグします。
例）カメラ 1 をカメラ 4 に切り換える：カメラ 1 は、カメラ 4 の位置に切り換わり、カメラ 4 は、カメラ 1 の位置に切り換わります。

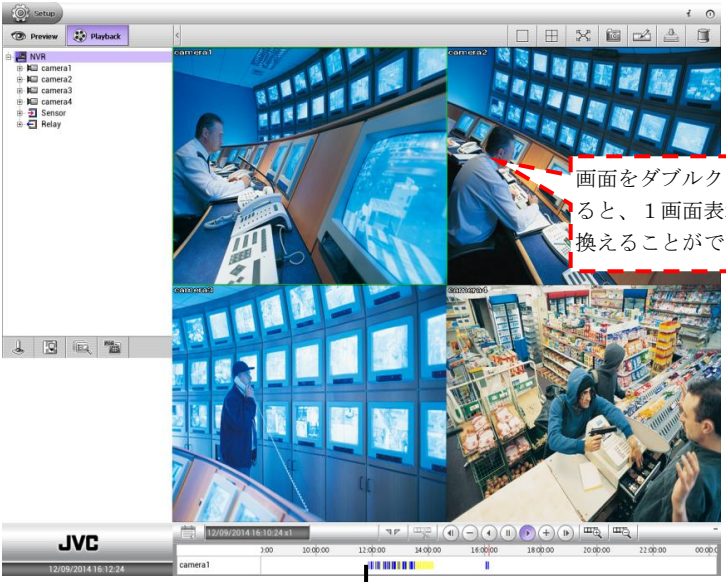


6.6.2 音声の有効化/無効化

1画面表示に切り換えます。次に、画面右上にある アイコンをクリックし、音声の再生を有効にします。
を再度クリックすると、音声の再生を無効にできます。
カメラリストの Audio アイコンについて。(詳細は、第 5.5.2 章 をご覧ください。)

6.6.3 4分割画面表示から1画面表示への切り換え

4分割画面表示を1画面表示に切り換えるには、画面をダブルクリックします。画面を再度ダブルクリックすると、画面表示が4分割画面表示に切り換わります。



6.6.4 全画面表示

プレイバック画面を全画面表示モードで閲覧できます。

プレイバックモードで全画面アイコン( )をクリックし、全画面表示に切り換えます。

右下隅の全画面アイコン( )をクリックして、通常ディスプレイモードに戻ります。

6.6.5 カメラリストを非表示にする

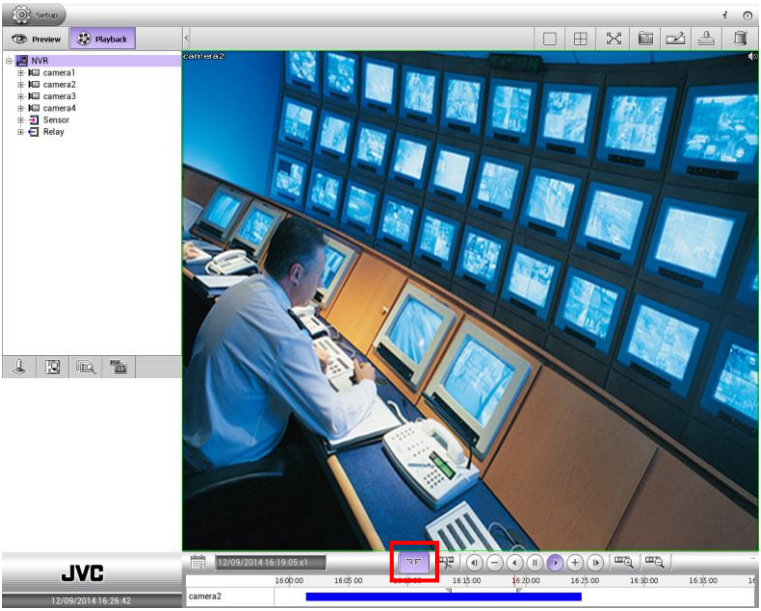
カメラリストを非表示にできます。

プレイバックモードで アイコンをクリックすると、カメラリストが非表示になります。

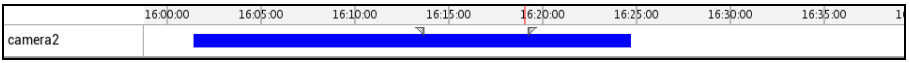
カメラリストを再度表示するには、 アイコンをクリックします。

6.6.6 ビデオクリップを USB メモリーに出力する

1. プレイバック画面を1画面表示で閲覧します。
2. および ボタンを使用して、プレイバックタイムバーを拡大し、セグメント期間を簡単に設定できます。
3. (**セグメント**)ボタンをクリックして、マークを設定します。



4. **続いて、**(**セグメント**)マークをドラッグし、セグメント期間を設定します。
   セグメントをキャンセルするには、(**セグメント**)ボタンを再度クリックします。



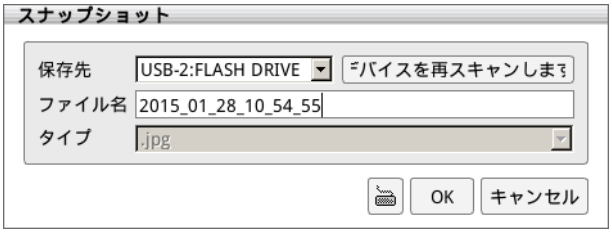
5. **映像クリップの出力** ボタン( )をクリックすると、[映像クリップの出力]ダイアログボックスが表示されます。

- **開始日時**:セグメントビデオファイルの開始時刻および日付を表示します。
- **終了日時**:セグメントビデオファイルの終了時刻および日付を表示します。
- **ビデオ形式**:本機は 2 種類のビデオ形式(DVR と MP4)でビデオクリップを出力できます。
- **保存先**:セグメントビデオファイルの保存場所を表示します。本機が検出しなかった場合、[**デバイスを再スキャンします**]をクリックして、USB メモリーの記録デバイスを検出させてください。
- **フォルダ名**:セグメントビデオファイルの名前をつけます。
- **パスワード**:セグメントビデオファイルにパスワードを設定する場合に入力します。
- **容量計算**:セグメントビデオファイルのファイルサイズを算出します。
  計算結果は、[選択されたファイル]欄に表示されます。
- **パスワード**:パスワードを入力します。パスワードを設定した場合、Qplayer で再生する際にパスワードの入力が必要となります。パスワードの設定がない場合は、そのまま再生可能です。
- **選択されたファイル**:セグメントビデオファイルのファイルサイズを表示します。

6. 希望するセグメント部分を保存するためには、[エクスポート]ボタンをクリックします。
7. USB メモリーを本機から取り出します。(☞ 詳細は、第 4.7.3 章 をご覧ください。)
8. エクスポートしたビデオクリップを再生する。(☞ 詳細は、第 7 章 をご覧ください。)

6.6.7 スクリーンビューのスナップショット

1. キャプチャーする映像を選択します。
2. 本機に USB メモリーの記録デバイスを接続します。
3. **スナップショット**( )ボタンをクリックします。
4. [スナップショット]ダイアログボックスに保存先が表示しない場合、[**デバイスを再スキャンします**]ボタンをクリックして再検出してください。



5. ファイル名を変更する場合、[**ファイル名**]欄に新しいファイル名を入力してください。
6. [**OK**]をクリックして保存します。
7. USB メモリーを本機から取り出します。(☞ 詳細は、第 4.7.3 章 をご覧ください。)
8. 保存された画像イメージは、パソコンで閲覧できます。

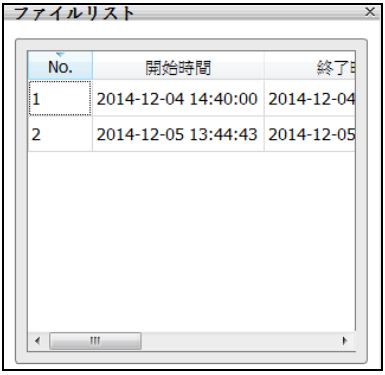
第7章　Qplayer による再生

QPlayer アプリケーションを使用して、パソコンでバックアップファイルを再生できます。録画ファイルをバックアップすると、録画ファイルのバックアップ時に[**バックアップする際に再生ソフトを添付します**]の選択を有効にしていた場合は、QPlayer アプリケーションはバックアップフォルダに自動的に保存されます。
QPlayer はすべてのビデオを同時に閲覧できる画面分割タイプをサポートしています。
アプリケーションを実行するには、バックアップフォルダに移動して Qplayer フォルダを選択し、**Qplayer.exe** をダブルクリックします。

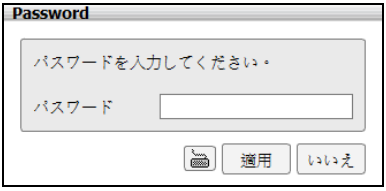
バックアップファイルを再生するには、必ず Qplayer が必要です。

7.1　Qplayer の機能

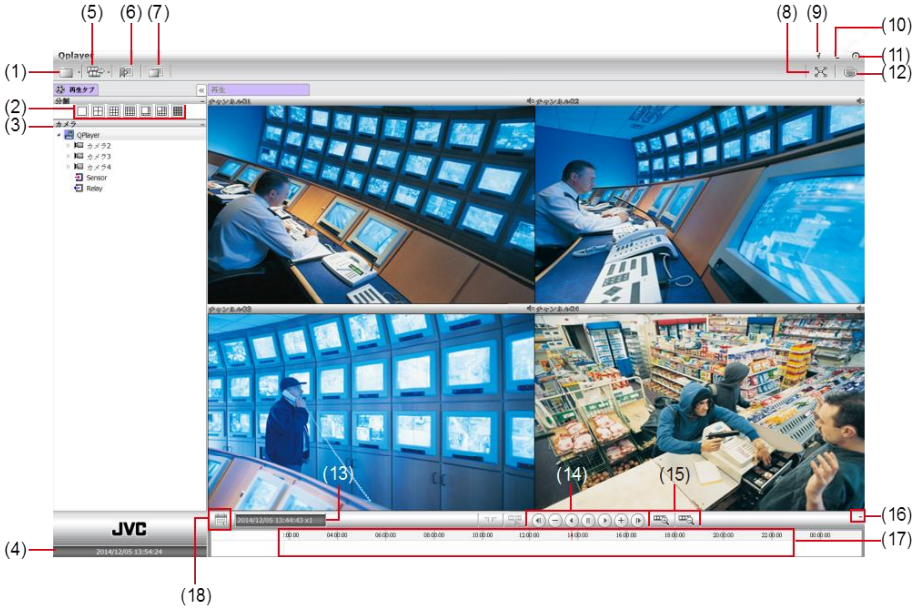
Qplayer のメイン画面で、[ファイル] > [ファイルを開く]をクリックして、バックアップ場所を特定します。



バックアップファイルにパスワードが設定された場合、パスワード入力を促すダイアログボックスが現れます。
パスワードを入力して適用ボタンを押してください。



Qplayer の機能は、次の通りです。



名称	機能
(1) ファイル	クリックしてバックアップファイルを開きます。ファイルリストが現れ、すべての再生可能なファイルを一覧できます。ファイルをクリックすると再生することができます。
(2) 画面分割モード	画面分割モードを選択できます。

分割画面モードで 1 つの映像を表示するには、表示したい映像画面を**ダブルクリック**します。

(3) カメラリスト	すべてのカメラを一覧で表示します。
(4) 日付と時刻	現在の日付と時刻を表示します。
(5) エクスポート	エクスポート機能には、スナップショットおよび印刷 2 つの機能が含まれています。 - **スナップショット**:現在の静的画面イメージをキャプチャーし、ローカルハードディスク上に JPG ファイルとして保存できます。 - **印刷**:Qplayer 画面を印刷できます。
(6) ブックマーク	再度参照する可能性のある録画済みビデオファイルの一定箇所に参照ポイントを付加できます。(☞ 詳細は、第 7.1.1 章 をご覧ください)。
(7) ファイルリスト	ボタンを押すことでファイルリストダイアログボックスを呼び出すことができます。ダイアログボックスを閉じるには **x** ボタンを押します。
(8) 全画面	映像だけを表示するために、画面の全領域を使用します。元の画面表

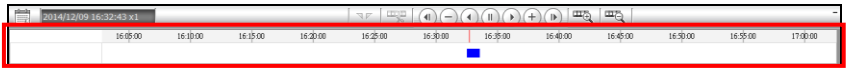
名称	機能
	示に戻るには、キーボードの[**ESC**]キー、 または画面右下にある矢印ボタンを押します。 画面分割モードの全画面表示にて、ご覧になりたい画面をダブルクリックすると 1 画面表示となります。再度ダブルクリックすると分割画面モードに戻ります。
(9) システム情報	Qplayer の情報を見ることができます。
(10) 最小化	Qplayer をタスクトレイ上に最小化します。
(11) 電源ボタン	電源ダイアログボックスを呼び出します。 電源ダイアログボックスでは、下記を行うことができます。 - **終了**: Qplayer を終了します。 - **キャンセル**: 電源ダイアログボックスを閉じます。
(12) オンスクリーンキーボード	キーボードが使用できない場合は、オンスクリーンキーボードを使用できます。
(13) ステータスバー	記録された日付、時刻、および再生速度を表示する。
(14) プレイバック コントロール ボタン	左から右の順に **コマ戻し**: 1 秒前の映像に戻します。 **速度を下げる**: 録画した映像ファイルの再生スピードを 1/2、1/4、または 1/8 のスピードで再生します。再生スピードはステータスバーに表示されます。 **逆再生**: 録画した映像ファイルを逆再生します。
(14) プレイバック コントロールボタン(つづき)	**一時停止**: 録画された映像ファイルの再生を一時停止します。

名称	機能
	再生：録画された映像ファイルを再生します。 **速度を上げる**：録画した映像ファイルの再生スピードを 2 倍、4 倍、8 倍、16 倍、32 倍、または 64 倍のスピードで再生します。再生スピードはステータスバーに表示される。 **コマ送り**：次のフレームへ進みます。
(15) / （ズームイン／ズームアウト）	プレイバックタイムバーの時間表示間隔を 2 時間、1 時間、30 分、10 分、5 分間隔に変更できます。
(16) プレイバックタイムバーのクローズアップ	進行バーを隠します。再度クリックすると表示されます。
(17) プレイバックタイムバー	再生中のファイルの進行状況を表示します。トラックの任意の位置で表示する場合は、バーを移動させてください。 プレイバックタイムバーの各色の意味 - **赤**：アラーム録画 - **緑**：モーションの録画 - **青**：常時録画（通常録画） - **黄**：ビデオロス - **白**：録画データなし
(18) カレンダー	カレンダーの日付と、時間を設定し、**OK** を押すと設定された日付と時間から録画した映像ファイルの再生を開始します。 – **日付**：カレンダーをクリックして再生する映像を選択します。太字テキストは、記録されたファイルが存在することを示しています。 , アイコンをクリックして日付を切り換えるか、月の横のアイコン▼ をクリックすると、月を選択できます。西暦を切り換えるには、西暦のテキストをクリックし、スピンボタンをクリックして選択します。 – **時刻**：時刻ボックスで、時間、分、そして秒を選択して再生する時刻を設定します。

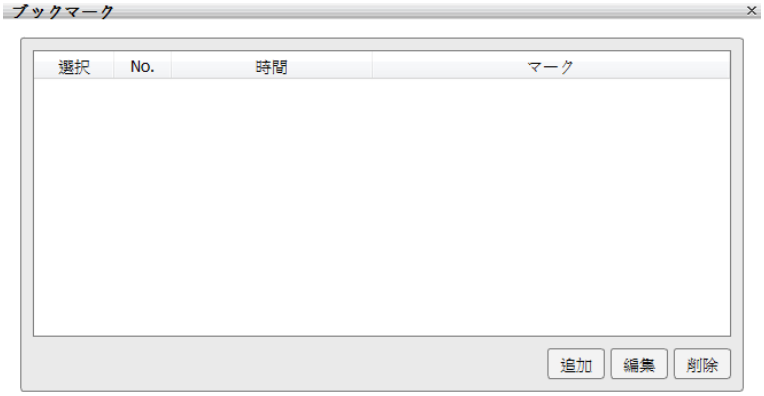
7.1.1 録画データにブックマークを付けてプレイバック

録画データにブックマークを作成することができます。

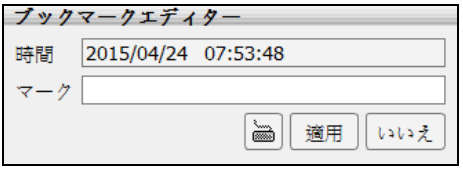
1. ブックマークしたい時間へ、マウスを使ってプレイバックタイムバーを動かします。



2. アイコンをクリックすると[ブックマーク]ダイアログボックスが画面に表示されます。



3. [**追加**]ボタンをクリックして、ブックマークダイアログボックスに新しいブックマークマークを作成します。マークに関する説明または名前を入力して、[**適用**]ボタンをクリックしてブックマークを保存します。

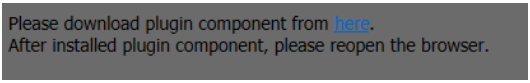


4. 作成したブックマークから録画ファイルを再生するには、ブックマークダイアログボックスで再生したいブックマークをダブルクリックします。
5. ブックマークを修正するには、ブックマークを選択し、[**編集**]ボタンをクリックします。
6. ブックマークを削除するには、ブックマークを選択し、[**削除**]ボタンをクリックします。
7. ブックマークダイアログボックスを閉じるには、 ☒ アイコンをクリックします。

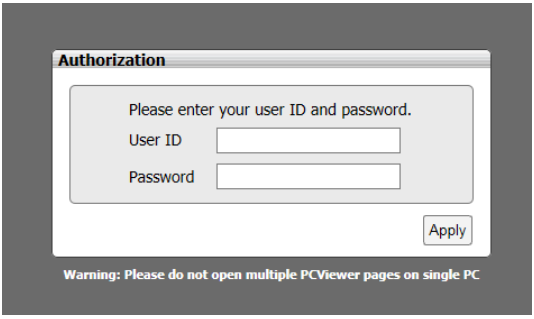
第８章　PC ビューアの使用

IP アドレスを入力することで、ブラウザ（マイクロソフトインターネットエクスプローラーなど）を使用して本機システムにアクセスできます。この機能を使用するには、パソコンおよび本機サーバー両方のネットワーク機能が有効になっていることを確認します。

初めてこの機能にアクセスした場合、プラグインのインストールを許可するかどうかを尋ねられます。インストールを許可すると、それ以降のログインができるようになります。
プラグインをインストールした後は、一度ブラウザを終了してから再度ログインしてください。

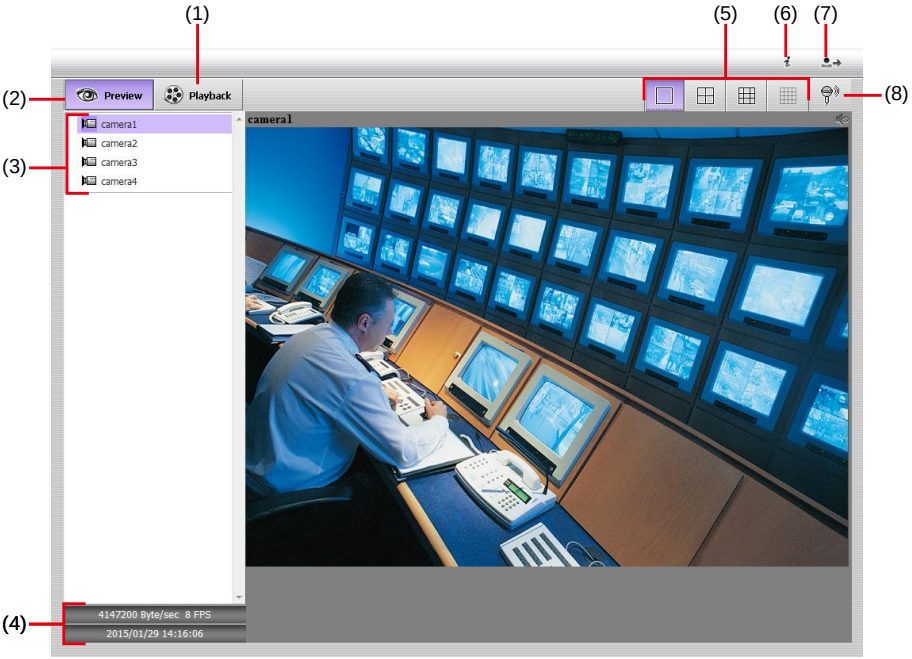


プラグインをインストールし、、本機システムに接続したら、アカウント ID（デフォルトは **admin**）とパスワード（デフォルトは **jvc**）を入力する必要があります。



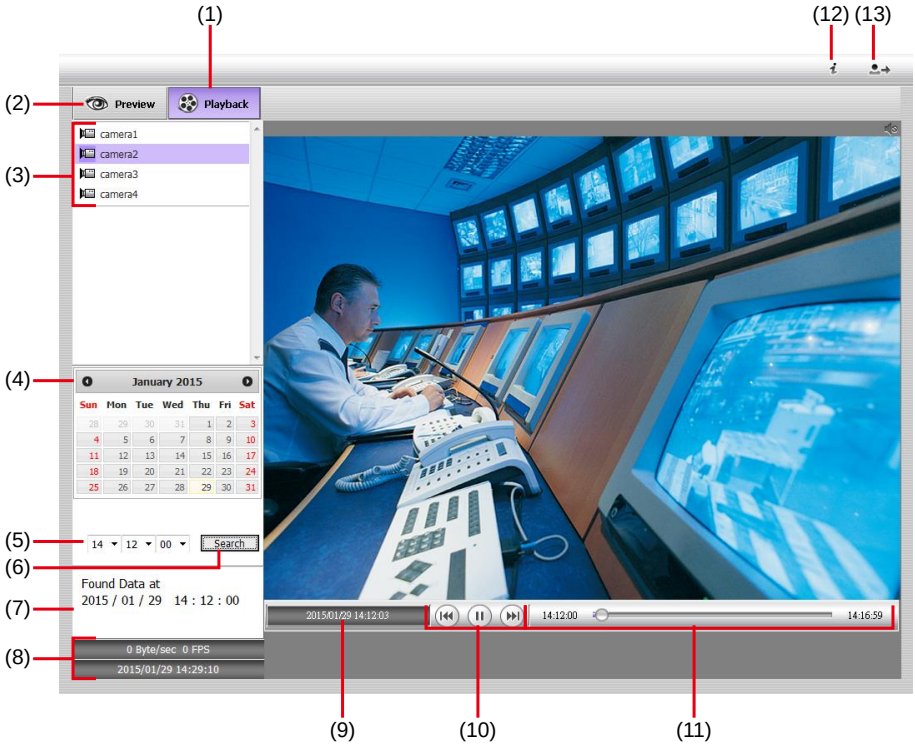
1. PC ビューアは、Windows 7（IE9/IE10/IE11）および Windows 8（IE10/IE11）に対応しています。
2. 1 台の PC は 1 台の PC ビューアアプリケーションのみ動作させることができます。
3. PC ビューアは、Windows 8 のメトロ版ブラウザ（IE）をサポートしていません。

8.1 PC ビューア機能



名称	機能
(1) プレイバック	プレイバックモードに切り換え、本機に録画された映像ファイルを再生するときにクリックします。(詳細は、第 8.2 章 をご覧ください。)
(2) プレビュー	クリックしてプレビューモードに切り換えられます。
(3) カメラリスト	すべてのカメラを表示します。 カメラ番号をクリックするとカメラを選択できます。
(4) インフォーメーション	現在の日付と時刻を表示します。
(5) 画面分割モード	本機のライブ映像を表示します。 3 通りの分割画面から選択します。
(6) 情報	本機のモデル名、ソフトウェア バージョン、および PC ビューアのフレームワークバージョンを表示します。
(7) ログアウト	アプリケーションを閉じます
(8) 2-way オーディオ	非対応

8.2 プレイバックモード機能



名称	機能
(1) プレイバック	プレイバックモードに切り換わります。
(2) プレビュー	プレビューモードに切り換わります。 (☞ 詳細は、第 8.1 章 をご覧ください)。
(3) カメラリスト	すべてのカメラを表示します。 カメラ番号をクリックするとカメラを選択できます。
(4) 日付の選択	再生する日付を選択(灰色が白色に変化)できます。◄► をクリックすることで別の月に切り換えることもできます。
(5) 時刻の選択	再生したい時刻の録画ファイルを選択します。
(6) 検索ボタン	設定した日付と時刻の録画データを検索します。録画データが検索できましたら、自動的に再生が始まります。
(7) 結果表示エリア	検索した録画データの検索結果を表示します。
(8) 日付と時刻	現在の日付と時刻を表示します。
(9) ステータスバー	録画データの日付、時刻を表示します。

名称	機能
(10) プレイバック コントロールボタン	左から右の順に **前へ:** クリックして前の期間に移動します。 1 クリックで 5 分移動します。 **次へ:** クリックして次の期間に移動します。 1 クリックで 5 分移動します。 **一時停止**:録画された映像ファイルの再生を一時停止します。 再生時間中は一時停止ボタンが表示されます。 **再生**:録画された映像ファイルを再生する。 停止中は再生ボタンが表示されます。
(11) プレイバック タイムバー	再生中のファイルの進行状況を表示します。トラックの任意の位置で表示するよう進行バーを移動させることもできます。 表示されるプレイバック時間は、セグメントあたり 5 分です。
(12) 情報	本機のモデル名、ソフトウェアバージョン、および PC ビューアのフレームワークバージョンを表示します。
(13) ログアウト	アプリケーションを閉じます。

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```
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  SDL_image:  An example image loading library for use with SDL
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*/
```

==========
SDL_mixer

```
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  SDL_mixer:  An audio mixer library based on the SDL library
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*/
```

==========
SDL_ttf

```
/*
  SDL_ttf:  A companion library to SDL for working with TrueType (tm) fonts
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*/
```

==========
twm

```
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xauth

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xclock

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xcompmgr

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xinit

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xinput

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xmodmap

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xset

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xcb-proto

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xf86-input-keyboard

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xf86-input-mouse

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font-alias

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font-mutt-misc

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xkeyboard-config

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glamor-egl

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libfontenc

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libXcomposite

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libXdamage

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libXfixes

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/* lib/font/fontfile/gunzip.c
written by Mark Eichin <eichin@kitten.gen.ma.us> September 1996.
intended for inclusion in X11 public releases. */

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libxkbfile

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libXmu

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libXxf86dga

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dri2proto

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fixesproto

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xcmiscproto

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xf86driproto

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xf86vidmodeproto

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xorg-server

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libupnp

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==========

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```
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makedepend

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util-macros

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==========

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```
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許容動作湿度範囲	:	30 %RH ～ 80 %RH （結露なきこと）
使用電源	:	AC アダプター
		入力 AC 100 V 50 Hz/60 Hz
		出力 DC 12 V 4 A
消費電流	:	2.8 A（消費電力 AC 100 V 39 W）
質量	:	約 1.4 kg

■ インターフェース

ネットワーク	:	RJ-45 × 2
		LAN1、2 ・・・ 1000BASE-T/100BASE-TX/10BASE-T
USB	:	3.0 A タイプ × 1
		2.0 A タイプ × 2
映像入力	:	BNC × 4
映像出力	:	D-sub 15pin × 1
		HDMI 端子 × 1
音声入力	:	ターミナル端子 × 1
音声出力	:	3.5φステレオミニジャック × 1

■ 対応圧縮形式

ビデオ	:	MJPEG/MPEG-4/H.264（High Profile）
オーディオ	:	μ-Law（G.711）

■ 記録

ハードディスクドライブ容量：1 TB × 1

■ 添付物 ・ 付属品

クイックユーザーガイド × 1

AC アダプター × 1

電源ケーブル（約 1.6 m） × 1

CD-ROM × 1

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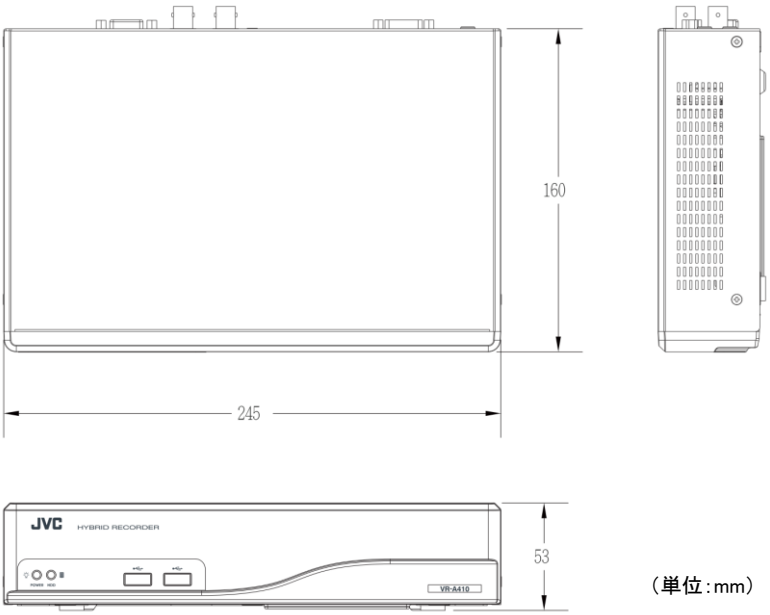
VN-H37、VN-H37B、VN-H137、VN-H137B、VN-H237、VN-H237B、VN-H57、VN-H57B、VN-H157WP、VN-H257、VN-H257VP、VN-H257VPB、VN-H257VPC、VN-H657B、VN-H657WPB 、VN-H557、VN-H28、VN-H228、VN-H228VPR、VN-H128WPR、VN-H328、VN-T16、VN-T216、VN-V685、VN-V686、VN-V686B、VN-V686WPB、VN-V686WPC、VN-X35、VN-X235、VN-X235VP

■外形寸法図



（単位：mm）

※本機の仕様および外観は、改善のため予告なく変更することがあります。

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