

SAMSUNG TECHWIN

システムコントローラ

ユーザーマニュアル

SPC-6000



SAMSUNG

SAMSUNG

ネットワークカメラ

ユーザーマニュアル

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概要

重要な安全ガイド

1. 本書の説明をよく読んで下さい。
2. 本書の指示を守ってください。
3. 全ての警告を留意してください。
4. 全ての指示に従って下さい。
5. 本機を水の傍で使用しないで下さい。
6. お手入れは乾いた布のみを使用して行って下さい。
7. どの換気孔も塞がないようにして下さい。メーカーの指示に従って取り付けして下さい。
8. ラジエーター、熱レジスタ、あるいは熱を発するその他の装置（アンプを含む）などの熱源の傍に設置しないで下さい。
9. 分極タイプあるいは接地タイプのプラグの安全目的を必ず守ってください。分極プラグには一方が他方より幅広い2本の足が付きます。接地プラグには2本の足とアース（接地）差込み先が付いています。2本の平たい足あるいは3本めの差込み先はユーザーの安全のために付いています。提供されたプラグがお使いのコンセントに合わない場合には、旧式のコンセントの交換について電気技師にご相談下さい。
10. 特にプラグ、ソケット、機器との接点でコードが踏まれたり引っ張られたりしないよう電源コードを保護してください。
11. メーカーが指定する付属品のみを使用してください。
12. カート、スタンド、三脚、ブラケットはメーカー指定のもの、あるいは製品と一緒に販売されたもののみを使用してください。カートを使用する場合、カートと製品を動かす際には転倒による損傷に注意してください。
13. 雷雨のときまたは長期間使用しない場合は、製品の電源プラグを抜いてください。
14. 全ての修理は資格のあるサービス・スタッフに任せて下さい。
修理は電源コードあるいはプラグの損傷、液体をこぼした、または物体を機器内に落としてしまった、機器を雨や湿度にさらしてしまった、正常に機能しない、あるいは機能の低下など、様々な原因で機器が損傷した場合に必要となります。



概要

警告

火災または感電防止のため、この装置を雨または湿気にさらさないでください。本製品の換気グリルまたはその他の開口部から金属製物質を差し込まないでください。

製品に液体をこぼしたりかけたりせず、また花瓶のように液体が入った物体を製品の上に載せたりしないでください。

注意

	注意 感電の危険がありますので開けないで下さい	
注意：感電の恐れがありますので裏カバーは開けないで下さい。 如何なる場合にも本品の分解や改造を行わないで下さい。 資格のあるサービス・スタッフにお問い合わせ下さい。		

グラフィック記号の説明

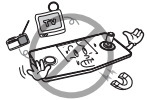


正三角形内の稲妻型の矢印は、本製品の筐体に人が感電する恐れのある"高圧電流"が存在することを、ユーザーに警告するものです。



正三角形内の感嘆符は、製品の操作およびメンテナンス（修理）に関する重要な付属説明書があることをユーザーに知らせるものです。

次に示す安全のための推奨注意事項を熟読してください。

本製品は平らな場所に置いてください。 	直射日光の当たる場所、暖房設備または低温区域の近くには取付けしないでください。 
本製品を接近して置かないでください。 	本製品は自分で修理しないでください。 
本製品の上に水の入ったコップを置かないでください。 	磁気源のそばに取付けしないでください。 
換気口は塞がないようにしてください。 	本製品の上に重いものを置かないでください。 

ユーザーマニュアルは、本製品の使用方法に関するガイドブックです。

このマニュアルで使用する用語の意味を次に示します。

- 参照: 製品の使用方法についてのヘルプ情報を示す場合。
- 注意: 指示に従わないことで、ものや人に損害が発生する可能性がある場合。
- ※ 製品を使用する前に安全のためこのマニュアルを読み、大切に保管しておいてください。

概要



Samsung Techwinでは環境保護のため、製品製造の全工程で環境に配慮しており、より環境に優しい製品をお客様にお届けするため数多くの措置を講じています。エコマークは、環境に優しい製品を創り出すSamsung Techwinの意志を表すとともに、それらの製品が欧州RoHS指令に準拠していることを示しています。

目次

概要

3

- 3 重要な安全ガイド
- 7 目次
- 9 主な特徴
- 10 キット内容
- 11 システムコントローラの外観

設置

14

- 14 注意事項
- 15 設置する前に
- 15 システムコントローラのスクリーン角度の調整
- 16 ジョイスティックとジョグシャトルの位置の切替え

外部デバイスへの接続

17

- 17 RS-485デバイスへの接続
- 23 他のシステムコントローラとの接続

メニューの使用

24

- 24 はじめに
- 24 PTZカメラの制御
- 30 DVRのコントロール
- 32 マトリックスのコントロール

概要

メニュー設定

34

- 34 メインメニューにアクセスするには
- 34 PTZ設定
- 35 DVR設定
- 35 コントローラ設定
- 40 ファームウェアのアップデート
- 42 コントローラ情報を確認するには

付録

43

- 43 仕様
- 44 Q & A
- 45 GPL/LGPL Software License

主な特徴

SPC-6000システムコントローラを使用すると、RS-485通信を使用したPTZカメラ、DVR、マトリクスなどの外部デバイスを制御することができます。
SPC-6000システムコントローラのインタフェースには、使いやすい画面メニュー、タッチスクリーン、およびジョイスティックが採用されています。

- 長距離遠隔制御
- RS-485通信を使用して、最長1kmの範囲を制御することができます。
- 統合システム制御
- システムコントローラを使用して、すべてのカメラ（レシーバーユニット）、DVRおよびマトリクスを制御することができます。
- 複数のシステムコントローラを接続することができます。
- システムを複数の異なるサイトで制御し、同時に最大16のコントローラを接続することができます。
- ジョイスティックモジュールとジョグシャトルモジュールの配置を切り替えることができます。
- ユーザーは必要に応じてジョイスティックモジュールとジョグシャトルモジュールの配置を左右に切り替えることができます。
- 使いやすいインタフェース
システム制御の操作ステータスが画面に表示されます。タッチスクリーンを使用すると、メニューを簡単に選択することができます。ジョイスティックを使用すると、操作がわかりやすく簡単になります。

❖ 互換性リスト

- カメラ
- MATRIX
SMX-25632
- DVR
SRD-XXXXシリーズ、SHR-8/7/6XXXシリーズ、SVR-1670、SRD-480D

❖ アダプタ仕様

- 電圧：1) 入力 (AC) : 100~240V
2) 出力 (DC) : 12V
- 容量 (出力電流) : 4A
- 連続標準負荷 : 48W
- 温度：1) 動作温度 : 0 ~+40℃
2) 保管温度 : -20 ~+60℃

概要

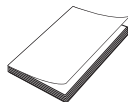
キット内容

製品パッケージを開け、製品を床または平らな場所に置いてください。

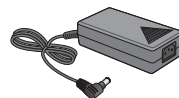
製品パッケージに、次の部品がすべて同梱されていることを確認してください。



メインユニット



ユーザーマニュアル



電源アダプタ1個



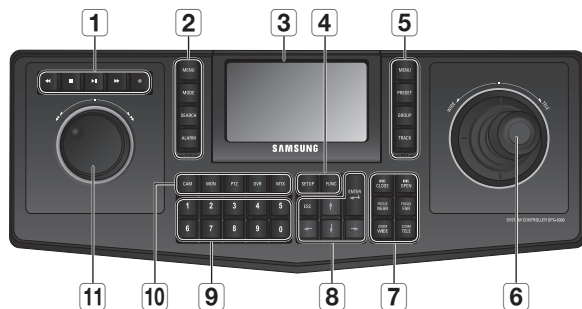
電源ケーブル1本



ターミナルブロック1個

システムコントローラの外観

前面

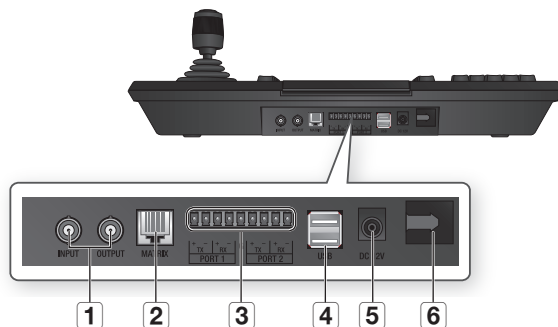


項目	項目
1 DVR再生バー	再生/一時停止、早送り/早戻し、停止、録画
2 DVRコントロールバー	選択したメニューへのアクセス、検索、分割モードの選択、アラームの制御。
3 LCDディスプレイ	システムコントローラの操作状態および設定メニューの表示。
4 設定バー	[FUNC]ボタンを押して[SETUP]をクリックして設定メニューを表示します。
5 カメラ操作バー	選択したPTZメニューにアクセスするか、プリセット、グループ、またはトラックを実行します。
6 ジョイスティックコントローラ	PTZカメラまたはレシーバーユニットと接続してパンニング/チルトを上下に操作することができます。 ジョイスティックを時計回りまたは反時計回りに回して、ズームを調整します。 接続したコントローラのメニュー画面から、コントローラの方角を制御することができます。

概要

項目	項目	
7 カメラレンズバー	IRIS	絞りの調節 (CLOSE/OPEN)
	FOCUS	焦点の調節 (NEAR/FAR)
	ZOOM	拡大/縮小 (WIDE/TELE)
8 移動、ENTER、ESC	移動	メニュー項目間を移動します。
	ENTER	方向ボタンを使用して該当する項目に移動し、選択します。
	ESC	現在の操作を取り消します。
9 数字 (0-9) ボタン	カメラ、モニタ、DVR、またはプリセットの設定を指定するときに使用します。	
10 コントローラ選択バー	カメラ、モニタ、またはDVRを選択するときに使用します。	
11 ジョグシャトル	ジョグ	DVR再生モードで早送り/巻戻し検索を行うときに使用します。
	シャトル	DVR再生モードで、コマ送り/逆再生/再生/早送り/巻戻しを実行します。

背面



項目	説明	
1 ビデオ入力/出力	ビデオ入力/出力ポート	
2 MATRIX	マトリクス接続ポートです。	
3 RS-485	PORT 1	RS-485通信によってカメラやDVRなどのコントローラに接続します。
	PORT 2	他のSPC-6000システムコントローラに接続します。
4 USBポート	システムコントローラ設定のバックアップやファームウェアのアップグレードに使用します。	
5 電源	DC 12V入力ポート (— — — — — +)	
6 ケーブルフック	電源ケーブルが緩まないようにします。 ☒ ■ コントローラを設置したり、使用したりするときには、必ずこのケーブルフックを使用してください。	

- ☒ ■ MATRIXポートには電源ラインが内蔵されているため、MATRIXポートを使用している場合はDC 12Vを別途供給する必要はありません。
- MATRIXポートには主制御信号と補助制御信号を制御するラインが1本内蔵されています。
- MATRIX信号はTTLレベルです。
延長ケーブルは10m未満のものを使用してください。

注意事項

- この製品は室内での使用のみを想定しています。
- 水や湿気を製品に近づけないでください。
- 製品に過度に力を加えないでください。
- 電源ケーブルを強引に抜かないでください。
- 製品を自分で分解しないでください。
- 定格の入力/出力範囲内で使用してください。
- 提供されている電源ケーブルのみを使用してください。
- 可能であればアース線の付いた電源プラグを使用してください。
- システムコントローラは平らな台の上に設置してください。
- メインユニットと配線のレイアウトは、システムを適切に操作する上でとても重要です。
- 各装置を近づけ過ぎたり、換気が適切に行われない場所に設置すると、システムが適切に動作しない場合があります。システムに接近しにくいと、修理が難しくなる、または修理できなくなる可能性もあります。
- システム障害を防ぎ、システムの停止を低減するため、換気用のスペースを十分にとり、カバーをしっかりと閉めてください。
- システムコントローラを勝手に分解しないでください。システムコントローラの内部には高電圧が流れています。

- 動作温度： 0°C ~ 40°C
- 保存温度： -20°C ~ 60°C
- 動作湿度： 10%~70% RH
- 保存湿度： 10% ~ 90% RH
- 消費電力： DC 12V、最大4W (—●—+)

設置する前に

- 設置する前に、製品の電源をオフにする必要があります。
- 強い衝撃や振動を与えると、システム障害が発生する恐れがあります。
- 強い電磁場や電氣的干渉が発生している場所、またはラジオやテレビなどの無線機器に製品を近づけないでください。
- 製品の設置時および設置後は常に設置場所をきれいにし、ほこりがないようにしてください。
- 製品を密閉されていない平らな場所に設置して、適度な温度を保持してください。
製品は壁から15cm以上離して設置してください。
- 換気口をふさいだり、換気口に伝導体を置かないでください。
- 製品を直射日光に当てないでください。付属品やツールは他人の手が届かない場所に置き、物理的損傷を防ぐようにしてください。
- 異常な煙や異臭が発生した場合は、火災または感電を引き起こす恐れがあります。
このような場合は、すぐに製品の電源をオフにし、技術サポートについてお問い合わせください。
- 床の湿気、接地されていない電源延長コード、摩耗した電源ケーブル、不完全なアースなどの状況を発見したら、適切なアクションをとってください。



- 製品は乾いた布で拭いてください。製品の汚れがひどい場合は、中性洗剤を含ませた布でふき取ってください。
アルコール、ベンゼンまたはシンナーなどの揮発性の薬品を使用しないでください。製品の表面が損傷する場合があります。
- LCDモニタを高温の場所で作動させないでください。節電のためスクリーンセーバーを使用することをお勧めします。

システムコントローラのスクリーン角度の調整

見やすいようにスクリーンを前に引き寄せることができます。

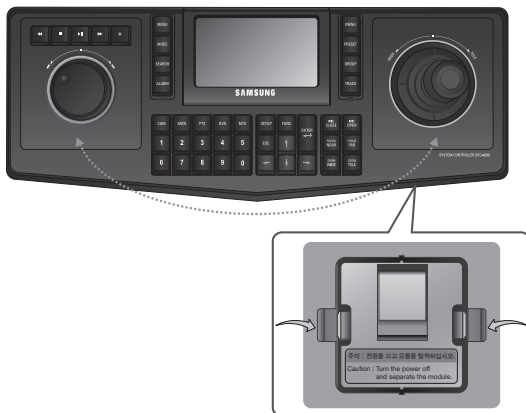


設置

ジョイスティックとジョグシャトルの位置の切替え

ジョイスティックモジュールとジョグシャトルモジュールの位置を必要に応じて切り替えることができます。

- 左右に切り替えるには、システムコントローラの電源をオフにして、手でモジュールを切り替えます。または、コントローラの設定メニューの<変更>を押して、手でモジュールを切り替えます。(▶ 38ページ)



<下部>

1. システムコントローラの下部にある両方のフックを下に押してモジュールを取り外します。
2. ジョイスティックとジョグシャトルの両方のモジュールをシステムコントローラから取り外し、位置を入れ替えます。位置を入れ替えたら、カチッと音がするまで押し込みます。



外部デバイスへの接続

SPC-6000システムコントローラは、カメラやDVRなどの外部デバイスに接続して使用することができます。

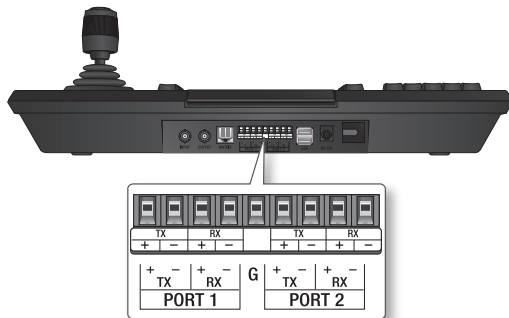
RS-485デバイスへの接続

このシステムコントローラでは、RS-485通信プロトコルをサポートしているPTZカメラまたはDVRを制御することができます。

1. 背面にあるPORT 1をPTZカメラまたはDVRのRS-485ポートに接続します。
2. 外部デバイスのシステムに応じて、半二重または全二重接続のいずれかを選択します。

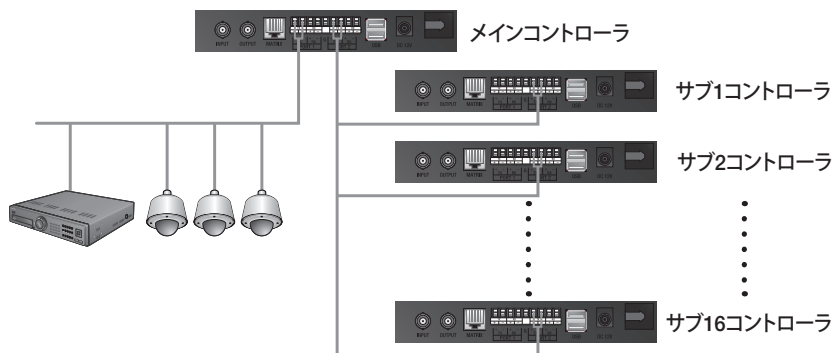


- 半二重システムの場合は、TX +/-端子を使用します。
- RS-485通信の場合は、極性 (+/-) に十分注意してください。
- 製品パッケージに含まれているターミナルブロックを使用してください。
- RS-485デバイスがSPC-6000と互換性があるかどうか確認してください。

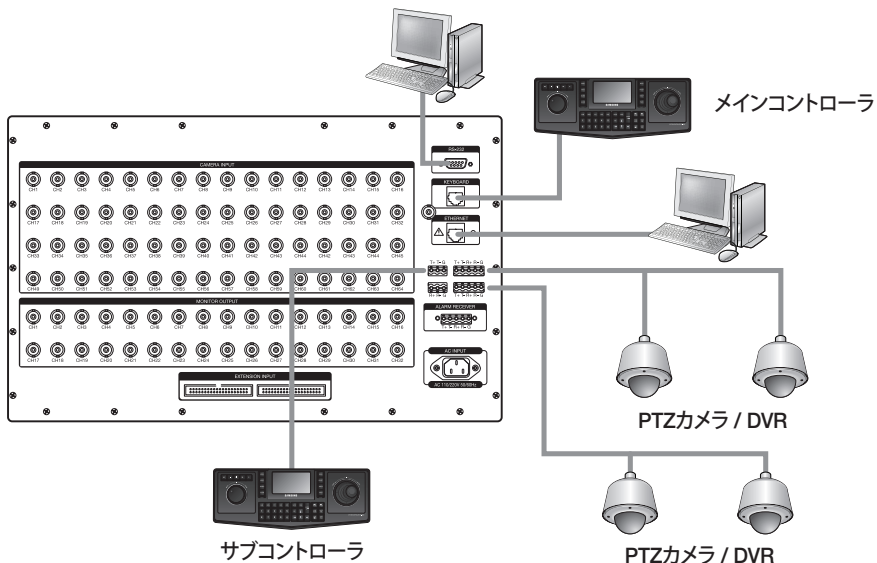


外部デバイスへの接続

キーボードの接続 (MATRIXを使用しない場合)



キーボードの接続 (MATRIXを使用する場合)



1. メインコントローラの[MATRIX]ポートをマトリクス[KEYBOARD]ポートに接続します。
MATRIXポートには電源ラインが内蔵されているため、DC 12Vを別途供給する必要はありません。
2. サブコントローラのTX+とTX-をそれぞれマトリクスのT+とT-に接続します。
 - MATRIXと同期するサブコントローラ間のボーレートは9600 bpsに固定されます。
 - MATRIX IDは<SUB 09>に設定されます。
3. DVRおよびPTZカメラをMATRIXに接続します。

外部デバイスへの接続

PTZカメラの接続

PTZカメラの背面にあるRS-485ポートをSPC-6000のPORT 1に接続することによって、このPTZカメラを制御することができます。

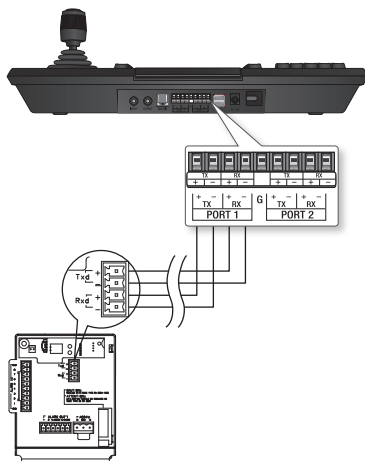
-  ■ 極性はカメラによって異なる場合があります。
詳細は、PTZカメラのユーザーマニュアルを参照してください。

半二重システムの場合

- PTZカメラのRS-485ポートのRX (+)をSPC-6000のPORT 1のTX (+)に接続します。
- PTZカメラのRS-485ポートのRX (-)をSPC-6000のPORT 1のTX (-)に接続します。

全二重システムの場合

- PTZカメラのRS-485ポートのRX (+)をSPC-6000のPORT 1のTX (+)に接続します。
- PTZカメラのRS-485ポートのRX (-)をSPC-6000のPORT 1のTX (-)に接続します。
- PTZカメラのRS-485ポートのTX (+)をSPC-6000のPORT 1のRX (+)に接続します。
- PTZカメラのRS-485ポートのTX (-)をSPC-6000のPORT 1のRX (-)に接続します。



SRD-16XX/8XXシリーズ、SHR-8/7/6XXXシリーズのDVRの接続

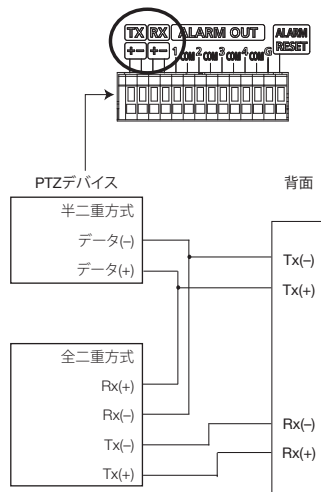
DVRの背面にあるRS-485ポートを使用して、DVRとSPC-6000を接続します。

半二重システムの場合

- DVRのRS-485ポートのTX (+)をSPC-6000のPORT 1のTX (+)に接続します。
- DVRのRS-485ポートのTX (-)をSPC-6000のPORT 1のTX (-)に接続します。

全二重システムの場合

- DVRのRS-485ポートのTX (+)をSPC-6000のPORT 1のRX (+)に接続します。
- DVRのRS-485ポートのTX (-)をSPC-6000のPORT 1のRX (-)に接続します。
- DVRのRS-485ポートのRX (+)をSPC-6000のPORT 1のTX (+)に接続します。
- DVRのRS-485ポートのRX (-)をSPC-6000のPORT 1のTX (-)に接続します。



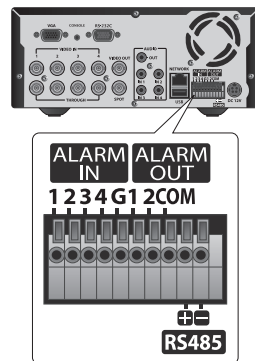
外部デバイスへの接続

SRD-4XXシリーズまたはSHR-604XシリーズとDVRとの接続

SRD-4XXシリーズまたはSHR-604Xシリーズの背面にあるRS-485ポートをSPC-6000に接続します。

❖ 半二重システムの場合

- SRD-4XXまたはSHR-604XのTX (+)をSPC-6000のPORT 1のTX (+)に接続します。
- SRD-4XXまたはSHR-604XのTX (-)をSPC-6000のPORT 1のTX (-)に接続します。

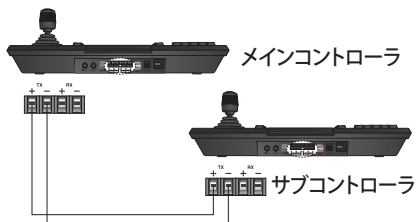


他のシステムコントローラとの接続

- 最大16までのコントローラを同時に接続することができます。
- コントローラの通信設定については、“メニュー設定”の“サブリスト”を参照してください。(▶ 37ページ)

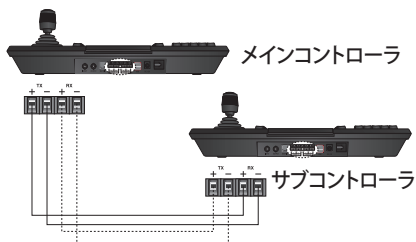
半二重システムの場合

- SPC-6000のPORT 2のTX (+)を他のSPC-6000のPORT 2のTX (+)に接続します。
- SPC-6000のPORT 2のTX (-)を他のSPC-6000のPORT 2のTX (-)に接続します。



全二重システムの場合

- メインコントローラSPC-6000のPORT 2のTX (+)をサブコントローラSPC-6000のPORT 2のRX (+)に接続します。
- メインコントローラSPC-6000のPORT 2のTX (-)をサブコントローラSPC-6000のPort 2のRX (-)に接続します。
- メインコントローラSPC-6000のPORT 2のRX (+)をサブコントローラSPC-6000のPORT 2のTX (+)に接続します。
- メインコントローラSPC-6000のPORT 2のRX (-)をサブコントローラSPC-6000のPORT 2のTX (-)に接続します。



-  ■ 他のシステムコントローラに接続するにはPORT 2を使用する必要があります。

メニューの使用

はじめに

1. すべてのシステムコンポーネントのデバイスをオンにします。



2. 電源アダプタをシステムコントローラの背面のポートに接続すると、ログインダイアログが表示されます。
3. 数字パッドを使用してパスワードを入力し、[ENTER]を押します。
PTZコントロールシステムのメインメニューが表示されます。
 - パスワードの初期値は“4321”です。



PTZカメラの制御

PTZコントロールモードにするには

コントローラの[PTZ]を押します。

カメラを選択するには

1. 数字ボタンを使用して、選択したカメラの番号を入力します。
2. [CAM]または[ENTER]を押します。



PAN/TILTコントロール

ジョイスティックコントローラを使用して、カメラのパンニング/チルト角度を調整することができます。ジョイスティックの中心から離れるほど、動作速度は速くなります。

ズーム

ジョイスティックを時計回りに回転するか、[ZOOM TELE]を押してカメラのズームイン操作をコントロールします。

ジョイスティックを反時計回りに回転するか、[ZOOM TELE]を押してカメラのズームアウト操作をコントロールします。

フォーカス

コントローラの[FOCUS FAR]または[FOCUS NEAR]を押し、カメラの焦点を合わせます。

絞り

コントローラの[IRIS OPEN]または[IRIS CLOSE]を押し、カメラ映像の輝度を調整します。

プリセット

カメラを事前に設定した場所に移動します。

プリセットを設定するには

1. プリセットを設定するカメラを選択します。
2. ジョイスティックを使用して、カメラを目的の場所に移動します。
3. [SETUP]を押し、数字ボタンで目的の数字を入力します。
次に[PRESET]を押します。

プリセットを実行するには

1. カメラを選択します。
2. 数字ボタンを使用して目的の数字を入力し、[PRESET]を押します。
3. プリセットが実行されます。



■ SCP-3430、SCP-2430、SCP-3250およびSCP-2250 PTZドームシリーズの場合は、Samsung Eプロトコルを選択した場合にのみ、最大512のプリセットがサポートされます。

メニューの使用

スイング

2つのプリセットポイント間でカメラを移動し、そのコースを監視することができます。

スイング設定

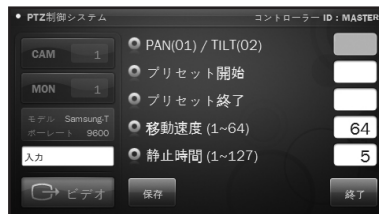
1. メニュー画面から<スイング>を選択します。
2. <設定>を押します。



3. 数字ボタンを使用してPAN/TILT選択し、開始のプリセットと終了のプリセットを指定します。
4. 速度と間隔を指定します。
5. <保存>を押します。

スイングを実行するには

1. メニュー画面から<スイング>を選択します。
2. 番号ボタンを使用して、スイングタイプでパニングまたはチルトを選択します。
3. スイング機能が実行されます。

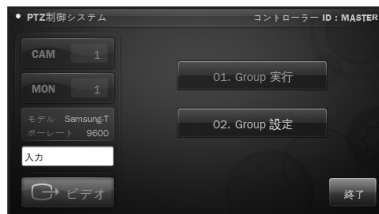


グループ

複数のプリセットを順に呼び出す前に、これをグループ化することができます。

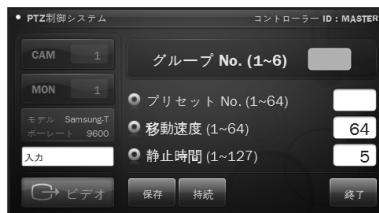
グループを設定するには

1. メニュー画面から<グループ/スキャン>を選択します。
2. <Group 設定>を選択します。
3. グループ番号を入力し、[ENTER]を押します。
4. 速度と間隔を指定します。
5. <保存>を押します。



グループ機能を実行するには

1. メニュー画面から<グループ/スキャン>を選択します。
2. <Group 実行>を選択します。
3. グループ番号を入力し、[ENTER]を押します。
4. グループ機能が実行されます。



メニューの使用

ツアー

グループを順に実行する前に、少なくとも1つのグループツアーを実行することができます。

ツアーを設定するには

1. メニュー画面から<ツアー>を選択します。
2. <ツアー 設定>を選択します。
3. ツアーに追加するグループの番号を押すたびに、そのグループがツアーに追加されます。
 - グループは6つまでツアーに追加することができます。
4. 設定を適用するには、<保存>を押します。



ツアー機能を実行するには

1. メニュー画面から<ツアー>を選択します。
2. <ツアー 実行>を選択します。
3. ツアー機能が実行されます。

トレース

ジョイスティックまたはカメラボタンを使用して、一定時間カメラの動作を記録し、その動作を繰り返すようにコントローラに指示することができます。

トレースを設定するには

1. メニュー画面から<トレース/パターン>を選択します。
2. <録画>を選択します。
3. トレース番号を指定して、録画します。
4. ジョイスティックまたはカメラボタンを使用し、必要なカメラ動作をコントロールします。



トレースを実行するには

1. メニュー画面から<トレース/パターン>を選択します。
2. <再生>を選択します。
3. 実行するトレース番号を指定します。
4. トレース機能が実行されます。



オートフォーカス

1. メニュー画面から<A/F>を選択します。
2. オートフォーカス機能が有効になります。

リセット

1. メニュー画面から<リセット>を選択します。
2. カメラがリセットされます。



ターゲット設定

1. メニュー画面から<ターゲット設定>を選択します。
カメラの映像に四角いボックスが表示されます。
2. 追跡する被写体に移動し、[ENTER]を押します。
■ これはカメラにトラッキング機能が装備されている場合にのみ該当します。

トラック

1. メニュー画面から<トラック>を選択します。
2. トラッキング機能が実行されます。
■ これはカメラにトラッキング機能が装備されている場合にのみ該当します。

メニューの使用

DVRのコントロール

使用可能なDVRの機能は、モデルに応じて異なる場合があります。
詳細は、該当するユーザーマニュアルを参照してください。

- 設定が不適切な場合、DVRの使用時に問題が生じることがあります。

DVRを選択するには

1. [DVR]を押します。
2. 数字ボタンを使用してDVR番号 (0~255) を入力し、**[ENTER]**を押します。



3. メインメニュー画面が表示されます。
この画面はモデルごとに異なります。

- SRDプロトコル対応のDVRでは、メニュー画面には使用可能なメニュー項目のみが表示されます。
- SRDプロトコル対応のDVRを接続する場合は、PTZ設定は自動的に行われます。



DVRチャンネルを選択するには

1. 数字ボタンを使用して、目的のDVDチャンネルの番号を入力します。
2. [CAM]を押します。

DVRメニューをコントロールするには

1. 選択したDVRのメニューをコントロールするには、DVRコントロールバーの[MENU]を押します。
2. 方向ボタンを使用して指定するメニュー項目に移動し、[ENTER]を押します。

DVRに接続されているPTZデバイスをコントロールするには

DVRモデルによっては、DVRに接続されているPTZデバイスをコントロールできない場合があります。その場合は、[PTZ]を押してDVRコントロールモードからカメラコントロールモードに切り替えます。

PTZデバイスをDVRモードでコントロールするには

1. DVRメニュー画面の右下隅にある[PTZ]を押します。
2. ジョイスティックを使用し、DVRに接続したPTZカメラを制御します。
詳細は、DVRのユーザーマニュアルを参照してください。

DVRログイン

DVRメニューには、正しいユーザーアカウントでアクセスする必要があります。

-  <入力>を選択して、入力ボックスの選択を解除します。
これで、[CAM]ボタンを使用せずに、数字ボタンのみでチャンネルの切替またはDVRのパスワードを入力することができます。
<入力>を再度選択すると、元のモードに戻ります。



メニューの使用

マトリクスのコントロール

モニターとカメラをマトリクスモードでコントロールするには

モニターとカメラはマトリクスモードでコントロールすることができます。

1. [MTX]を押します。
2. モニター番号を選択し、[MON]を押します。
3. カメラ番号を選択し、[CAM]を押します。
選択したモニターに、選択したカメラの映像が再生されます。



前のモニターに現在の映像を再生するには

選択したカメラの番号を入力します。

1. マトリクス設定画面でカメラ番号を押し、[CAM]を押します。
2. 前のモニターに、現在選択中のカメラの映像が再生されます。

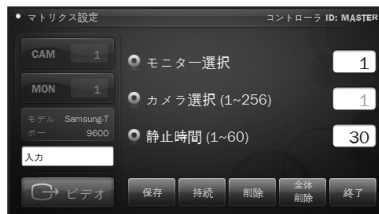
自動選択

マトリクス設定メニューの操作はスケジュールすることができます。

1. マトリクス設定メニューでモニター番号を選択し、[MON]を押します。
2. メニュー画面から<自動選択設定>を押します。



3. <自動選択設定>画面の表示後、接続するモニターとカメラを選択し、静止時間を指定します。
4. カメラ#1の設定が完了すると、<持続>を押してカメラ#2の静止時間を指定します。
5. 静止時間の設定完了後、<保存>を押します。



実行/ホールド

実行/ホールドでは、自動選択設定を実行またはホールドします。

<全体> + <実行>の組合せを押し、設定した自動選択を実行します。

<全体> + <ホールド>の組合せを押し、自動選択操作を停止し、入力待ちにします。

-  ■ 個々のモニターの動作を指示するには、「モニター番号」 + <実行>または「モニター番号」 + <ホールド>の組合せを押しします。

アラーム再生

センサーがアラーム再生モードでトリガーされると、アラームユニットでサイレンがオンに設定されている場合はサイレンが鳴り、アラームユニットでインジケータコントロール出力が設定されている場合はインジケータを使用する外部デバイスをコントロールできます。

アラームユニットのアラームを解除するには、<アラーム再生>を再度押します。

メニュー設定

メインメニューにアクセスするには

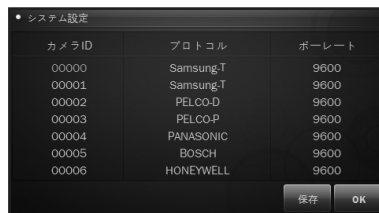
1. コントローラの[FUNC]ボタンを押して[SETUP]をクリックします。
2. システム設定画面の表示後に、目的のメニュー項目を選択します。



PTZ設定

PTZ設定画面から、プロトコルとボーレートを指定することができます。

1. 設定のメイン画面から<PTZ>を押します。
2. 方向ボタンまたはジョイスティックを使用して、該当するメニューに移動します。
3. 設定は[ZOOM WIDE]または[ZOOM TELE]で変更できます。
4. プロトコルとボーレートの設定が完了すると、<保存>を押します。
5. PTZ設定画面を終了するには、<OK>または[ESC]を押します。



 ■ 別のページに移動する前に、設定を保存してください。

DVR設定

DVR設定画面から、DVRタイプとボーレートを指定することができます。

1. 設定のメイン画面から<DVR>を押します。
2. 方向ボタンまたはジョイスティックを使用し、カメラ番号を選択してDVRタイプを指定します。
3. ボーレートを指定します。
4. 指定後、<保存>を押します。
5. DVR設定画面を終了するには、<OK>または[ESC]を押します。



■ 別のページに移動する前に、設定を保存してください。

コントローラ設定

コントローラID

通信方式にはRS-485またはRS-422のいずれかを選択することができます。

1. コントローラと外部デバイスの間の通信方式には、RS-485またはRS-422を選択します。
2. ポートボタンを押し、ポートIDを指定します。

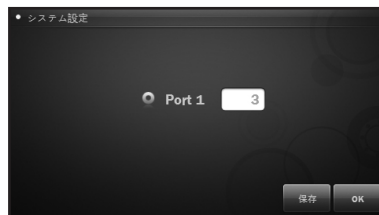


メニュー設定

PORT 1 ID

その他のデバイスとの通信に使用するコントローラIDを指定することができます。

1. コントロールID設定画面から**[Port 1]**を押します。
2. IDを指定し、<保存>を押します。



PORT 2 ID

コントローラ間の通信にメインまたはサブコントローラを指定し、マトリクスおよびサブリストの使用も設定することができます。

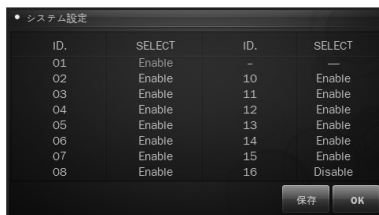
1. コントロールID設定画面から**[Port 2]**を押します。
2. 方向ボタンを使用して目的の項目を選択し、コントローラ間の通信方式を選択します。
 - マルチコントローラ環境では、サブリストを設定する必要があります。
3. 指定後、<保存>を押します。



サブリスト

メインコントローラおよびサブコントローラを採用した通信方式では、<サブリスト>を設定する必要があります。

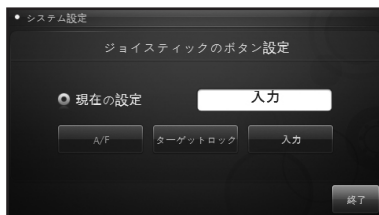
1. <サブリスト>を押します。
2. 方向ボタンを使用して目的の項目を選択し、**[ZOOM WIDE]**または**[ZOOM TELE]**を使用して設定します。
■ MATRIX IDは<SUB 09>に固定されます。
3. 指定後、<保存>を押します。
4. <サブリスト>画面を終了するには、**[OK]**または**[ESC]**を押します。



ジョイスティックボタン操作

ジョイスティックボタンの操作を設定することができます。

1. ジョイスティック<ボタン>を押します。
2. ジョイスティックボタン操作の画面から、選択したジョイスティックボタンのボタン機能を選択します。
3. 現在の設定を確認し、<終了>を押します。



スクリーンセーバー

長時間コントローラを使用しない場合は、スクリーンセーバーを有効に設定することができます。

1. ログ画面を表示する場合は、スクリーンセーバーを<On>に設定します。
2. 変更を適用するには<OK>、設定を取り消すには<終了>を押します。

メニュー設定

初期化

現在の設定を工場出荷時の初期設定に復元することができます。

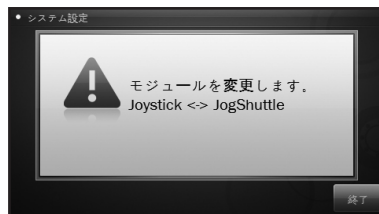
1. <リセット>を押します。
2. <OK>を押します。
現在の設定が初期設定に復元されます。
3. メニューを終了するには、<終了>を押します。



モジュール間を切り替えるには

ジョグシャトルとジョイスティックの位置を左から右、またはその逆に切り替えることができます。

1. <変更>を押します。
2. モジュール変更画面の表示後、ジョグシャトルとジョイスティックの位置を切り替えることができます。
3. 画面を終了するには、<終了>を押します。



言語

ユーザーインターフェースで使用する言語を設定することができます。

1. <言語>を押します。
2. 言語選択画面の表示後、方向ボタンまたはジョイスティックを使用して言語を選択します。
 - 即座に選択した言語に変更されます。
3. 言語選択画面を終了するには、<終了>を押します。



パスワード

コントローラのパスワードを有効または無効に設定することができます。

1. パスワード<設定>ボタンを押します。
2. パスワードを有効にするには、これを<On>に設定します。有効にしない場合は、<Off>に設定します。
3. 現在のパスワードを入力します。
4. 変更を適用するには<OK>、設定を取り消すには<終了>を押します。



パスワードを変更するには

パスワードは変更することができます。

1. パスワード<設定>ボタンを押します。
2. 現在のパスワードを入力します。
3. 新しいパスワードを入力します。
4. 変更を適用するには<OK>、設定を取り消すには<終了>を押します。



■ パスワードの初期値は“4321”です。



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パスワードを変更しなかったことにより、セキュリティ関連の問題が起こった場合は、ユーザーの責任となります。

メニュー設定

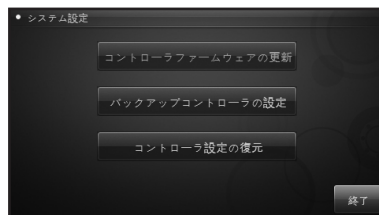
ファームウェアのアップデート

USBメモリーのファームウェアファイルを使用して、現在のファームウェアを更新することができます。

コントローラファームウェアを更新するには

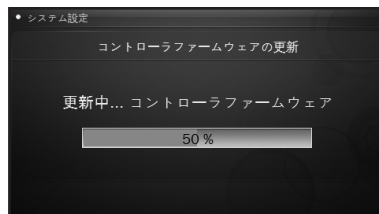
最新のファームウェアファイルをダウンロードして、コントローラを更新することができます。

1. 最新のファームウェアファイルを含むUSBメモリーをシステムコントローラに接続します。
2. メニュー設定画面から<更新>を押します。
3. <コントローラファームウェアの更新>を押します。



4. 更新画面から<OK>を押します。
進捗バーに更新状態が表示されます。
5. 更新後にシステムが再起動するまで待ちます。

-  ■ 更新中はUSBメモリーや電源ケーブルを外さないでください。外した場合、ファームウェアの更新に失敗するか、システム障害の原因となる場合があります。



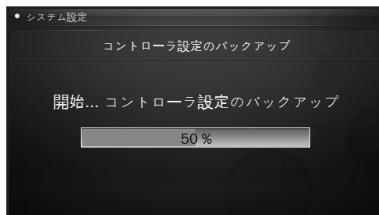
コントローラ設定をバックアップするには

コントローラを変更またはカメラを交換する場合、コントローラ設定をファイルに保存し、その設定を新しいカメラにロードすることができます。

1. メニュー設定画面から<更新>を押します。
2. <コントローラ設定のバックアップ>を押します。
3. <OK>を押します。
バックアップ処理が開始されます。



- バックアップ中はUSBメモリーや電源ケーブルを外さないでください。外した場合、コントローラ設定のバックアップに失敗する恐れがあります。



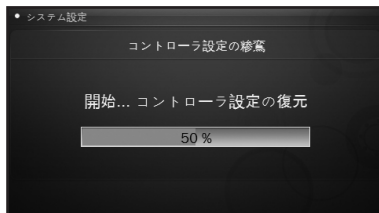
コントローラ設定を復元するには

コントローラを誤って設定またはリセットした場合、現在の設定を別のコントローラにアップロードすることができます。

1. メニュー設定画面から<更新>を押します。
2. <コントローラ設定の復元>を押します。
3. <OK>を押します。
復元処理が開始されます。



- 復元中はUSBメモリーや電源ケーブルを外さないでください。外した場合、コントローラ設定の復元に失敗する恐れがあります。



メニュー設定

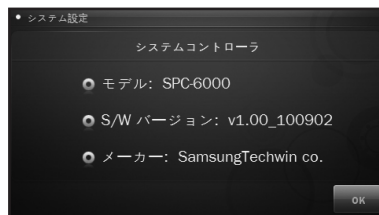
コントローラ情報を確認するには

システムコントローラのモデル名とソフトウェアバージョンを確認できます。

状態画面

コントローラの状態を確認することができます。

1. メニュー設定画面から<状態>を押します。
2. コントローラの状態を確認します。



付録

仕様

項目	説明
通信方式	RS-485/422 (リモコン範囲: 最大1km) TTL (マトリクス制御)
制御ユニット数	最大255
ボーレート	2,400～38,400 bps
互換性	PTZ / DVR / MATRIX / RECEIVER
プロトコル (PTZ)	Samsung-T、Samsung-E、PELCO-D、PELCO-P、Panasonic、Vicon、AD、Honeywell、ELMO、BOSCH、GE
プロトコル (DVR)	SVR、SRD、SRP
プロトコル (MATRIX)	SMX-25632
プロトコル (RECEIVER)	Samsung-T
多言語サポート	英語、スペイン語、フランス語、イタリア語、ドイツ語、トルコ語、ポーランド語、ロシア語、ポルトガル語、スウェーデン語、オランダ語、チェコ語、セルビア語、韓国語、中国語、日本語
LCDディスプレイ	5" TFT LCD + タッチLCD
USBポート	バックアップ/リストア、S/Wアップデート
ビデオポート	BNCビデオ入力、ループスルー出力
ジョイスティック	PTZコントロール (3軸ツイストズーム)
ジョグシャトル	DVD再生コントロール
電源	DC 12V、最大4W
動作温度	0°C～40°C
動作湿度	10～70% RH (結露なし)
寸法	459.1 (W) x 59.1 (H) x 177.9 (D) mm
重量	約1.5 kg (アダプタを除く)

付録

Q & A

問題	処置
システムコントローラと通信することができません。	- RS-485通信ケーブルが正しく接続されているかどうかを確認してください。 - 通信回線のノイズが原因で通信状態が不安定な場合は、デバイスの[G]ポートをSPC-6000の[G]ポートに接続してください。
	- システムコントローラのアドレスが正しく指定されているかどうかを確認してください。 - アドレスの指定については、“メニュー設定”の“コントローラ設定”を参照してください。(▶ 35ページ)
USBメモリーが正しく認識されません。	- USBメモリーが適切に動作しているかどうかを確認してください。 - USBメモリーを1つのみ使用し、再試行してください。



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-

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Version 2.1, February 1999

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