

**SAMSUNG TECHWIN**

# **SYSTEMKONTROLLER**

Benutzerhandbuch

SPC-6000



**SAMSUNG**

**SAMSUNG**

# Systemkontroller

## Benutzerhandbuch

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Beachten Sie, dass für die Sicherheit und andere durch ein unverändertes Passwort verursachte Probleme der Benutzer die Verantwortung trägt.

## WICHTIGE SICHERHEITSHINWEISE

1. Lesen Sie diese Anweisungen.
2. Bewahren Sie sie auf.
3. Beachten Sie alle Warnungen.
4. Befolgen Sie alle Anweisungen.
5. Verwenden Sie dieses Gerät nicht in der Nähe von Wasser.
6. Reinigen Sie es nur mit einem trockenen Lappen.
7. Blockieren Sie keine Belüftungsöffnungen. Installieren Sie es gemäß den Herstelleranweisungen.
8. Installieren Sie das Gerät nicht in der Nähe von Wärmequellen wie beispielsweise von Radiatoren, Heizkörpern oder anderen Geräten (einschließlich Verstärkern), die Wärme erzeugen.
9. Bitte achten Sie darauf, die Schutzvorrichtung des gepolten bzw. geerdeten Steckers nicht zu beschädigen. Ein gepolter Stecker verfügt über zwei Stifte, von denen einer breiter als der andere ist. Ein geerdeter Stecker hat zwei Stifte und einen Erdungsstift. Der breite Stift oder der dritte Stift ist für Ihre Sicherheit vorgesehen. Wenn der vorgesehene Stecker nicht in Ihre Steckdose passt, wenden Sie sich an einen Elektriker, um die veraltete Steckdose austauschen zu lassen.
10. Schützen Sie das Netzkabel so, dass nicht darauf getreten wird, und dass es insbesondere an den Steckern oder passenden Steckdosen bzw. der Stelle, an der das Kabel das Gerät verlässt, nicht abgeklemmt wird.
11. Verwenden Sie nur die vom Hersteller angegebenen Zusatzgeräte/Zubehörteile.
12. Verwenden Sie für das Gerät nur Gestelle, Ständer, Stative, Konsolen und Tische, die vom Hersteller empfohlen oder in Verbindung mit dem Gerät verkauft werden. Bei Verwendung eines Transportwagens bewegen Sie das Gerät nur mit äußerster Vorsicht, um Verletzungen durch Umkippen zu vermeiden.
13. Trennen Sie das Gerät bei Gewitter oder längerer Abwesenheit vom Stromnetz.
14. Überlassen Sie alle Wartungsarbeiten qualifiziertem Kundendienstpersonal. Wartungsarbeiten sind erforderlich, wenn das Gerät in irgendeiner Weise beschädigt wurde, wie zum Beispiel ein beschädigtes Netzkabel oder Stecker, verschüttete Flüssigkeiten oder Gegenstände, die in das Gerät gefallen sind, das Gerät Regen oder Feuchtigkeit ausgesetzt wurde, nicht normal funktioniert oder fallen gelassen wurde.



# übersicht

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## WARNUNG

SETZEN SIE DIESES GERÄT NICHT REGEN ODER FEUCHTIGKEIT AUS, UM DIE GEFAHR EINES BRANDS ODER ELEKTROSCHOCKS ZU REDUZIEREN. STECKEN SIE KEINE METALLGEGENSTÄNDE DURCH DIE BELÜFTUNGSSCHLITZE ODER ANDERE ÖFFNUNGEN DER AUSTRÜSTUNG.

Schützen Sie das Gerät vor Flüssigkeitsspritzern und Tropfen. Stellen Sie keine mit Flüssigkeiten gefüllten Behälter auf dem Gerät ab (z. B. Vasen).

## VORSICHT

|                                                                                                                                                                                                                      |                                                                   |                                                                                   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------------------------|
|                                                                                                                                     | <b>VORSICHT</b><br>GEFAHR EINES<br>ELEKTROSCHOCKS NICHT<br>ÖFFNEN |  |
| <b>VORSICHT : NICHT DIE RÜCKSEITIGE ABDECKUNG ÖFFNEN,<br/>ABDECKUNG (ODER RÜCKSEITE) NICHT ABNEHMEN.<br/>KEINE VOM BENUTZER ZU WARTENDE TEILE INNEN.<br/>WENDEN SIE SICH AN QUALIFIZIERTES KUNDENDIENSTPERSONAL.</b> |                                                                   |                                                                                   |

## ERKLÄRUNG DER GRAPHISCHEN SYMBOLE



Das Blitzsymbol im gleichseitigen Dreieck warnt den Benutzer davor, dass im Inneren des Produkts nicht isolierte, „gefährliche Spannungen“ anliegen. Dies kann zu einem elektrischen Schlag führen und stellt eine ernsthafte Verletzungsgefahr dar.



Das Ausrufezeichen im gleichseitigen Dreieck soll Benutzer darauf hinweisen, dass die zum Lieferumfang des Produkts gehörende Dokumentation wichtige Bedienungs- und Instandhaltungsanweisungen (Reparaturanweisungen) enthält.

Lesen Sie die folgenden empfohlenen Sicherheitsmaßnahmen sorgfältig durch.

|                                                                                                                                               |                                                                                                                                                                                                                                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Stellen Sie das Gerät nicht auf eine unebene Fläche.</p>  | <p>Setzen Sie das Gerät keiner direkten Sonneneinstrahlung aus, stellen Sie es nicht in der Nähe von Heizgeräten oder in sehr kalten Bereichen auf.</p>  |
| <p>Stellen Sie das Gerät nicht in die Nähe von.</p>          | <p>Versuchen Sie auf keinen Fall, selbst Reparaturarbeiten auszuführen.</p>                                                                              |
| <p>Stellen Sie kein Glas Wasser auf das Produkt.</p>         | <p>Stellen Sie das Gerät nicht in der Nähe einer magnetischen Quelle auf.</p>                                                                            |
| <p>Blockieren Sie nicht die Belüftungsöffnungen.</p>         | <p>Legen Sie keine schweren Gegenstände auf das Produkt.</p>                                                                                             |

Das Benutzerhandbuch ist ein Anleitungsbuch zur Art der Verwendung von Produkten  
Die Verwendungshinweise im Handbuch bedeuten folgendes

- Referenz : Im Falle einer weiterleitenden Information als Hilfe bei der Produktverwendung
  - Hinweis : Wenn die Möglichkeit besteht, dass Güter oder Menschen durch das Nichtbefolgen der Anleitung zu Schaden kommen
- ※ Bitte lesen Sie das vorliegende Benutzerhandbuch zur eigenen Sicherheit vor der Verwendung von Gütern sorgfältig durch, und heben Sie es an einem sicheren Ort auf.

# übersicht

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Samsung Techwin hat sich dem Schutz der Umwelt verpflichtet und wendet in allen Phasen des Produktherstellungsprozesses umweltfreundliche Verfahren an, um seinen Kunden umweltgerechtere Produkte zu liefern.

Das Eco-Gütesiegel ist ein Zeichen für die Absicht von Samsung Techwin, Produkte zu liefern, und zeigt an, dass die Produkte die RoHS-Richtlinie der EU erfüllen.



## **Korrekte Entsorgung von Altgeräten** (Elektroschrott)

(In den Ländern der Europäischen Union und anderen europäischen Ländern mit einem separaten Sammelsystem)

Die Kennzeichnung auf dem Produkt, Zubehörteilen bzw. auf der dazugehörigen Dokumentation gibt an, dass das Produkt und Zubehörteile (z. B. Ladegerät, Kopfhörer, USB-Kabel) nach ihrer Lebensdauer nicht zusammen mit dem normalen Haushaltsmüll entsorgt werden dürfen. Entsorgen Sie dieses Gerät und Zubehörteile bitte getrennt von anderen Abfällen, um der Umwelt bzw. der menschlichen Gesundheit nicht durch unkontrollierte Müllbeseitigung zu schaden. Helfen Sie mit, das Altgerät und Zubehörteile fachgerecht zu entsorgen, um die nachhaltige Wiederverwertung von stofflichen Ressourcen zu fördern.

Private Nutzer wenden sich an den Händler, bei dem das Produkt gekauft wurde, oder kontaktieren die zuständigen Behörden, um in Erfahrung zu bringen, wo Sie das Altgerät bzw. Zubehörteile für eine umweltfreundliche Entsorgung abgeben können.

Gewerbliche Nutzer wenden sich an ihren Lieferanten und gehen nach den Bedingungen des Verkaufsvertrags vor. Dieses Produkt und elektronische Zubehörteile dürfen nicht zusammen mit anderem Gewerbemüll entsorgt werden.

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# HAUPTMERKMALE

SPC-6000-Systemkontroller ermöglicht die Steuerung externer Geräte wie z. B. PTZ-Kamera, DVR, Matrix mit RS-485-Kommunikation.

Er bietet eine benutzerfreundliche Oberfläche mit Bildschirmmenü, Touch-Screen und Joystick.

- Remote-Fernsteuerung
- Sie können mit RS-485-Kommunikation eine maximale Reichweite von 1km steuern.
- Integrierte Systemsteuerung
- Sie können mit einem einzigen Systemkontroller, alle Kameras (Empfangseinheit), DVR und MATRIX steuern.
- Eine Verbindung von Multi-Systemkontrollern ermöglicht:
- Sie können das System an verschiedenen Standorte steuern und bis zu 16 Controllern gleichzeitig verbinden.
- Wechseln Sie die Position zwischen dem Joystick und Jog-Shuttle-Modul.
- Die Position des Joysticks und Jog-Shuttle-Moduls kann auf Gründen der Benutzerfreundlichkeit zwischen links und rechts umgestellt werden.
- Benutzerfreundlich-Schnittstelle  
Der Betriebszustand des Systemkontrollers wird auf dem Bildschirm angezeigt, der Touch-Screen ermöglicht eine unkomplizierte Menüauswahl. Der Joystick macht die Handhabung einfach und leicht.

## ❖ Kompatibilitätsliste

- Kamera
- MATRIX  
SMX-25632
- DVR  
SRD-XXXX Serien, SHR-8/7/6XXX Serien, SVR-1670, SRD-480D

## ❖ Spezifikationen des Adapters

- Spannung: 1) Eingang (Wechselstrom) : 100-240V  
2) Ausgang (Gleichstrom) : 12V
- Kapazität (Ausgangsstrom) : 4A
- Kontinuierliche Standard-Ladung : 48W
- Temperatur: 1) Betriebstemperatur: 0 -+40°C  
2) Lagerung: -20 - +60°C

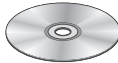
# übersicht

## LIEFERUMFANG

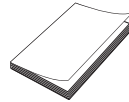
Entfernen Sie die Verpackung, und stellen Sie das Produkt auf eine ebene und sichere Oberfläche. Überprüfen Sie, ob alle unten aufgeführten Komponenten im Lieferumfang enthalten sind.



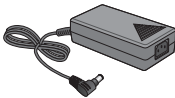
Haupteinheit



Gebrauchsanleitung auf CD



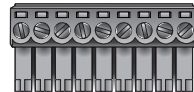
Kurzanleitung



Netzadapter 1 ST



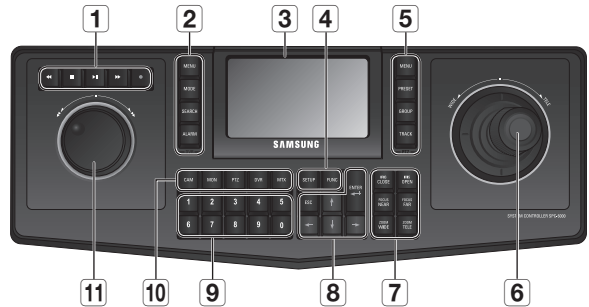
Netzkabel 1 ST



Klemmleiste-Anschluss 1 ST

# SYSTEM CONTROLLER IM ÜBERBLICK

## Vorderseite

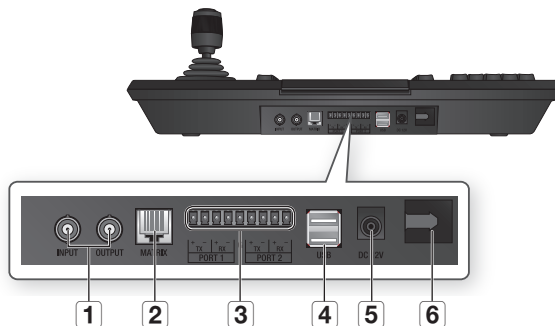


| Artikel                       | Beschreibung                                                                                                                                                                                                                                                                                                                                     |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>1</b> DVR-Wiedergabeleiste | Wiedergabe/Pause, Schnellvorlauf/Schnellrücklauf, Stopp, Aufnahme                                                                                                                                                                                                                                                                                |
| <b>2</b> DVR-Steuerungseiste  | Zugriff auf dem ausgewählten Menü, Suche, Split-Modus auswählen, oder Alarm steuern.                                                                                                                                                                                                                                                             |
| <b>3</b> LC-Display           | Zeigt den Betriebsstatus und Setup-Menü für den Systemcontroller an.                                                                                                                                                                                                                                                                             |
| <b>4</b> SETUP-Leiste         | Die <b>[FUNC]</b> Taste drücken und auf <b>[SETUP]</b> klicken, um in das Setup Menu zu wechseln.                                                                                                                                                                                                                                                |
| <b>5</b> Kamera-Option-Leiste | Zugriff auf das PTZ-Menü, oder Preset, Gruppe bzw. Spur ausführen.                                                                                                                                                                                                                                                                               |
| <b>6</b> Joystick-Controller  | Sie können den Schwenk-/Neigungsbetrieb der Kamera nach oben/unten in Verbindung mit der PTZ-Kamera oder Empfängereinheit steuern.<br>Drehen Sie den Joystick im Uhrzeigersinn oder gegen den Uhrzeigersinn um das Zoomen zu steuern.<br>Sie können die Richtung des angeschlossenen Controller über dem Menübildschirm des Controllers steuern. |

# übersicht

| Artikel                            |                                                                                                      | Beschreibung                                                                             |
|------------------------------------|------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <b>7</b> Kamera-Objektivleiste     | IRIS                                                                                                 | Blende steuern (CLOSE/OPEN)                                                              |
|                                    | FOCUS                                                                                                | Fokus anpassen (NEAR/FAR)                                                                |
|                                    | ZOOM                                                                                                 | Vergrössern/Verkleinern (WIDE/TELE)                                                      |
| <b>8</b> Navigieren, EINGE, ABBR   | Navigieren                                                                                           | Durch den Menüpunkten navigieren                                                         |
|                                    | ENTER                                                                                                | Durch einen gewünschten Punkt mithilfe der Navigationsflächen bewegen und ihn auswählen. |
|                                    | ESC                                                                                                  | Gegenwärtige Operation abbrechen.                                                        |
| <b>9</b> Zahl (0-9) Tasten         | Wird verwendet um numerische Zeichen für Kamera, Monitor, DVR oder Preset Einstellungen festzulegen. |                                                                                          |
| <b>10</b> Controller-Auswahlleiste | Zur Auswahl einer Kamera, Monitor oder DVR.                                                          |                                                                                          |
| <b>11</b> Jog-Shuttle              | Jog                                                                                                  | Zur Suche von Vorwärts/Rückwärts –Einzelbild im DVR-Wiedergabemodus.                     |
|                                    | Shuttle                                                                                              | Vorwärts/Rückwärts /Wiedergabe/FF/REW im DVR-Wiedergabemodus                             |

## Rückseite



| Artikel                         | Beschreibung                                                                                                                                                                             |                                                                                        |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| <b>1</b> Video- Eingang/Ausgang | Video- Eingang/Ausgangsanschluss                                                                                                                                                         |                                                                                        |
| <b>2</b> MATRIX                 | Matrix-Verbindungsschnittstelle                                                                                                                                                          |                                                                                        |
| <b>3</b> RS-485                 | PORT 1                                                                                                                                                                                   | Anschluss an den Controller wie z.B. eine Kamera oder DVR über RS-485-Kommunikationen. |
|                                 | PORT 2                                                                                                                                                                                   | Zum Anschliessen an zusätzlichen SPC-6000 System Controllern.                          |
| <b>4</b> USB-Anschluss          | Wird für die Sicherung der Einstellungen des System Controllers oder zur Firmware Aktualisierung verwendet.                                                                              |                                                                                        |
| <b>5</b> Strom                  | 12V Gleichstrom Eingangsanschluss ( — — + )                                                                                                                                              |                                                                                        |
| <b>6</b> Kabelhalterung         | Zum vermeiden dass das Netzkabel locker wird.<br><input checked="" type="checkbox"/> ■ Verwenden Sie, unbedingt, die Kabelhalterung bei der Installation und Verwendung des Controllers. |                                                                                        |

- ☒ ■ Die MATRIX-Schnittstelle enthält die Netzlinie damit Sie keinen separaten 12V Gleichstrom brauchen wenn Sie die MATRIX-Schnittstelle verwenden.
- Die MATRIX-Schnittstelle enthält eine einzelne Linie, die die Haupt- und untergeordneten Steuersignale kontrolliert.
- Das MATRIX-Signal ist von TTL-Level.  
BEI einem abstand von weniger als 10 Metern, das verlängerungskabel verwenden.

## VORSICHTSMASSNAHMEN

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**Bevor Sie das Produkt installieren, lesen Sie durch und richten Sie den folgenden Anweisungen nach.**

- Dieses Produkt wurde nur für Innenanwendungen entworfen.
- Schützen Sie das Gerät vor Wasser oder Feuchtigkeit.
- Keine übermäßige Kraft an das Gerät anwenden.
- Ziehen das Netzkabel nicht mit Gewalt heraus.
- Zerlegen Sie das Gerät nicht selbst.
- Verwenden nur den bewerteten E/A -Bereich.
- Verwenden Sie nur das mitgelieferte Netzkabel.
- Benutzen Sie den Erdungskabel-Stecker, wenn verfügbar.
- Stellen Sie den System Controller auf einen flachen Tisch.
- Das Layout der Haupteinheit und des elektrischen Verkabelungssystems sind für eine ordnungsgemäße Systembedienung erforderlich.
- Wenn die Geräte zu nah von einander platziert sind, oder in einer schlecht zu belüftenden Umgebung platziert werden, könnte das System nicht ordnungsgemäß funktionieren. Unzugänglichkeit zum System macht die Instandsetzung schwierig oder sogar unmöglich.
- Um einen Systemausfall zu verhindern oder Systemstillstand zu reduzieren, planen Sie genügend Platz für eine ausreichende Belüftung ein und schließen Sie die Abdeckung fest.
- Zerlegen Sie der System Controller nicht willkürlich da eine hohe Spannung innerhalb des Controllers läuft.
- Betriebstemperatur: 0°C - 40°C
- Temperatur bei Lagerung: -20°C - 60°C
- Luftfeuchtigkeit des Betriebs 10% - 70% RH
- Luftfeuchtigkeit bei Lagerung 10% - 90 % RH
- Stromverbrauch : DC 12 V Gleichstrom, Max 4 W ( — — — — — + )

## VOR DER INSTALLATION

- Schalten Sie das Gerät vor der Installation nicht aus.
- Ein schwerwiegender Einschlag oder starken Vibrationen können einen Systemausfall verursachen.
- Stellen Sie das Gerät nicht in unmittelbarer Nähe von starken magnetischen Feldern oder elektrische Störung, oder Funkgeräte wie Radio- bzw. Fernsehempfänger.
- Während oder nach der Installation des Produkts, halten Sie der Installationsort sauber und staubfrei.
- Stellen ihn auf eine unversiegelte, flache Oberfläche an eine optimale Temperatur. Installieren Sie ihn im Abstand von mindestens 15 cm von der Wand.
- Schliessen das Lüftungsloch nicht oder platzieren Sie kein elektrisch leitenden Gegenstand darin.
- Setzen Sie ihn nicht direkter Sonneneinstrahlung aus. Halten Sie das Zubehör oder die Werkzeuge aus der Reichweite der Leute heraus, um ein Risiko des körperliche Schadens zu verhindern.
- Einen anormalen Rauch oder Geruch zu ignorieren könnte zu einem elektrischen Schlag oder Feuer führen. Wenn dies der Fall ist, schalten Sie das Produkt sofort aus und wenden Sie sich an uns für technische Hilfe.
- Ergreifen Sie entsprechende Massnahmen wenn Sie feststellen: Feuchter Boden, ungeerdetes Stromversorgungskabel, abgeschaltetes Netzkabel oder Abwesenheit der Sicherheitserdung.



- Wenn stark verschmutzt oder befleckt ist, verwenden Sie ein in neutralem Reinigungsmittel imprägniertes Tuch, um ihn zu reinigen.  
Verwenden Sie keine Lösungsmittel wie Alkohol, Reinigungsbenzin bzw. Verdünnungsmittel da dies die Oberfläche des Produkts beschädigen könnte.
- Verwenden Sie den LCD-Monitor nicht bei hohen Temperaturen; Zur Reduzierung des Energieverbrauches, wird es empfohlen den Bildschirmschoner zu aktivieren.

## EINSTELLEN DES SYSTEM-CONTROLLER-BILDSCHIRMWINKELS

Sie können den Bildschirm für eine bessere Ansicht nach vorne ziehen.



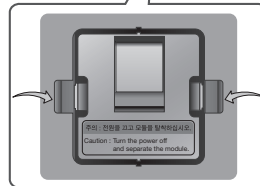
# installation

## ZUM WECHSELN DER POSITION ZWISCHEN JOYSTICK UND JOG-SHUTTLE-MODUL

Sie können die Position zwischen dem Joystick und Jog-Shuttle-Modul beliebig umschalten.



- Zum Wechseln zwischen links und rechts, schalten Sie den System Controller aus und wechseln Sie manuell die Module. Oder, drücken Sie im Controller-Einstellungsmenü <Umtauschen> und ändern Sie manuell die Module. (▶ Seite 38)



<Unterseite>

1. Um den Modul zu entfernen, drücken Sie beide Haken auf dem unteren Seite des Controllers herunter.
2. Entfernen Sie den Joystick und Jog-Shuttle-Module aus dem Controller und wechseln Sie die Position.  
Nach Beendigung, legen Sie sie ein bis ein Klicken zu hören ist.



# anschluss an externe Geräte

Der SPC-6000 System Controller kann mit externen Geräten wie z. B. Kameras oder DVR angeschlossen werden.

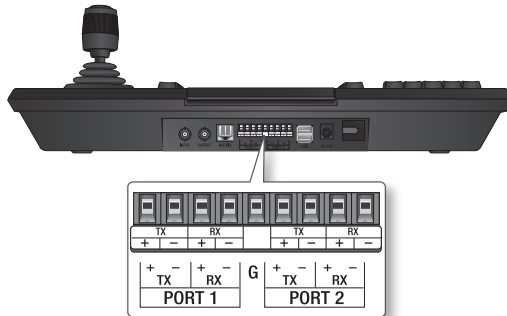
## ANSCHLIESSEN DES RS-485-GERÄTES

Mit dem System Controller, können Sie die PTZ-Kamera oder DVR, welche die RS-485-Kommunikationsprotokolle unterstützt, anschliessen und steuern.

1. Verbinden Sie der Rückseitige PORT 1 mit der RS-485-Schnittstelle der PTZ-Kamera oder DVR.
2. Je nachdem System des externen Geräts, wählen Sie Halbduplex oder Vollduplex für die Verbindung aus.

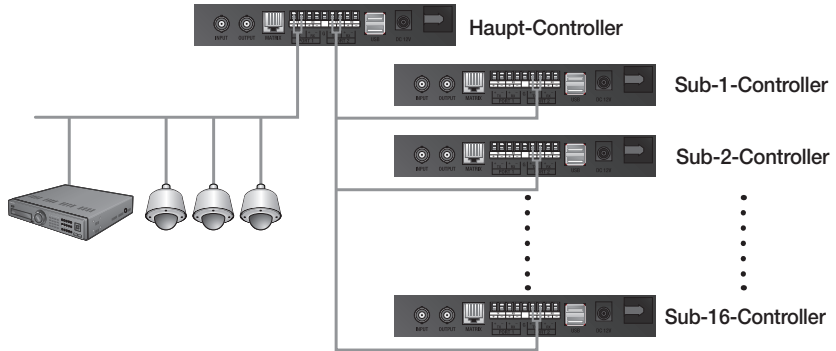


- Für das Halbduplex -System, verwenden Sie TX +/- Anschlüsse.
- Für RS-485 –Kommunikationen, passen Sie besonders auf die Polarität auf (+/-).
- Verwenden Sie im Lieferumfang das mitgelieferte Anschlussblock.
- Überprüfen Sie ob das RS-485-Gerät und SPC-6000 kompatibel sind.

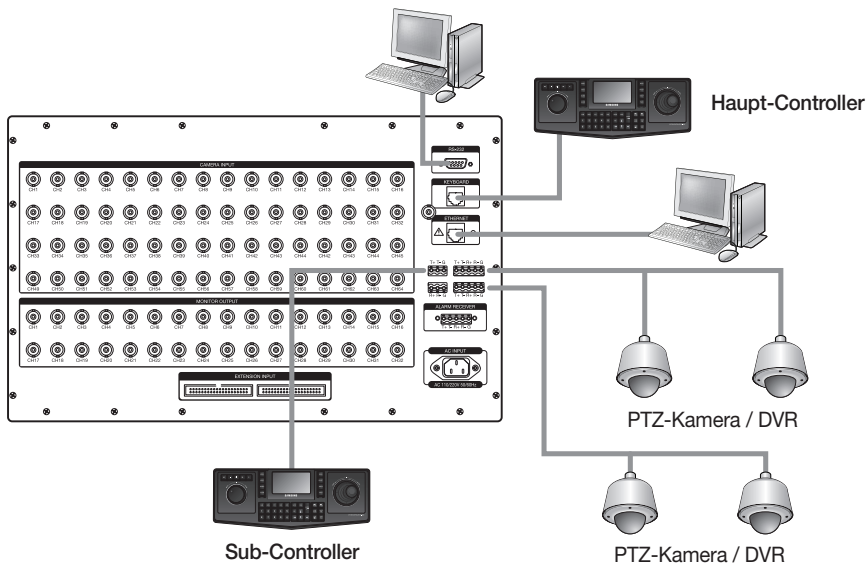


# anschluss an externe Geräte

## Zum Anschliessen der Tastatur ohne die Verwendung von MATRIX



## Zum Anschliessen der Tastatur mit der Verwendung von MATRIX



1. Schliessen Sie die **[MATRIX]** -Schnittstelle des Haupt-Controllers mit der **[KEYBOARD]** -Schnittstelle des Matrix.  
Die MATRIX-Schnittstelle enthält die Netzlinie damit Sie keinen separaten 12 V Gleichstrom brauchen.
2. Verbinden Sie TX+ und TX- des Sub-Controllers an T+ und T- des Matrix, bzw.
  - Die Baudrate zwischen den Sub-Controllern die mit MATRIX synchronisiert werden, wird auf 9600 Bild/Sek. fixiert.
  - Die MATRIX-ID wird auf <SUB 09> Fixiert.
3. Zum Anschliessen des DVRs und PTZ-Kamera an eine MATRIX.

# anschluss an externe Geräte

## Zum Anschliessen der PTZ-Kamera

Sie können die Kamera steuern, indem Sie den RS-485-Schnittstelle auf der Rückseite der PTZ-Kamera mit PORT 1 des SPC-6000 verbinden.



- Abhängig von der Kamera kann die Polarität abweichen.

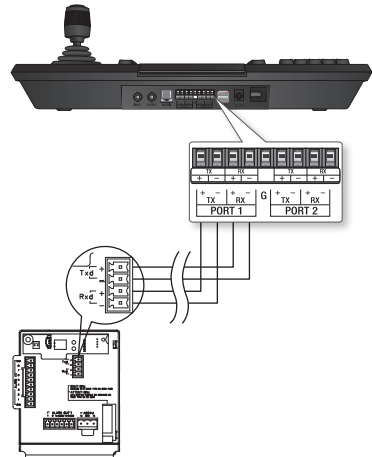
Weitere Informationen, finden Sie in der entsprechenden Dokumentation der PTZ-Kamera.

## Für das Halbduplex-System

- Verbinden Sie RX (+) der RS-485-Schnittstelle Ihrer PTZ-Kamera mit TX (+) PORT 1 des SPC-6000.
- Verbinden Sie den Anschluss RX (-) der RS-485-Schnittstelle Ihrer PTZ-Kamera mit TX (-) PORT 1 des SPC-6000.

## Für das Vollduplex-System

- Verbinden Sie RX (+) der RS-485-Schnittstelle Ihrer PTZ-Kamera mit TX (+) PORT 1 des SPC-6000.
- Verbinden Sie den Anschluss RX (-) der RS-485-Schnittstelle Ihrer PTZ-Kamera mit TX (-) PORT 1 des SPC-6000.
- Verbinden Sie TX (+) der RS-485-Schnittstelle Ihrer PTZ-Kamera mit RX (+) PORT 1 des SPC-6000.
- Erbinden Sie TX (-) der RS-485-Schnittstelle Ihrer PTZ-Kamera mit RX (-) PORT 1 des SPC-6000.



## Anschließen der SRD-16XX/8XX Serie und der DVR der Serie SHR-8/7/6XXX

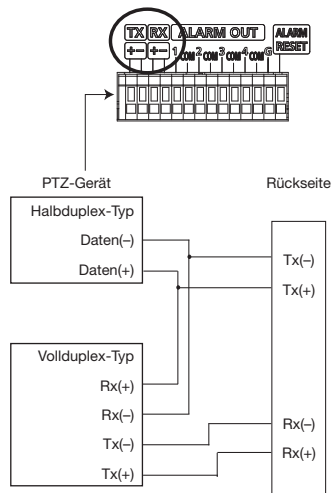
Verbinden Sie zwischen DVR und SPC-6000 über der RS-485 –Schnittstelle, auf der Rückseite des DVRs.

### Für das Halbduplex-System

- Verbinden Sie TX (+) der RS-485-Schnittstelle des DVRs mit TX (+) PORT 1 des SPC-6000.
- Verbinden Sie TX (-) der RS-485-Schnittstelle des DVRs mit TX (-) PORT 1 des SPC-6000.

### Für das Vollduplex-System

- Verbinden Sie TX (+) der RS-485-Schnittstelle des DVRs mit RX (+) PORT 1 des SPC-6000.
- Verbinden Sie TX (-) der RS-485-Schnittstelle des DVRs mit RX (-) PORT 1 des SPC-6000.
- Verbinden Sie RX (+) RS-485-Schnittstelle des DVRs mit TX (+) PORT 1 des SPC-6000.
- Verbinden Sie RX (-) der RS-485-Schnittstelle des DVRs mit TX (-) PORT 1 des SPC-6000.



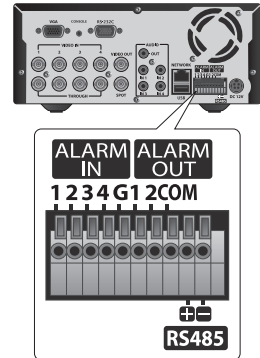
# anschluss an externe Geräte

## Zum Anschliessen von SRD-4XX oder SHR-604X-Serien mit DVR

Verbinden Sie die RS-485-Schnittstelle auf der rückseite des SRD-4XX oder SHR-604 X Serien mit SPC-6000.

### ❖ Für das Halbduplex-System

- Verbinden Sie TX (+) des SRD-4XX oder SHR-604X mit TX (+) PORT 1 des SPC-6000.
- Verbinden Sie TX (-) des SRD-4XX oder SHR-604X mit TX (-) PORT 1 des SPC-6000.

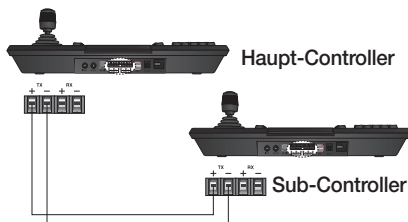


## ZUM ANSCHLIESSEN AM ANDEREN SYSTEM CONTROLLER

- Sie können bis zu 16 Controllern gleichzeitig verbinden.
- Für die Kommunikationseinstellungen des Controllers, lesen Sie "Sub Liste" of "Menü Setup". (▶ Seite 37)

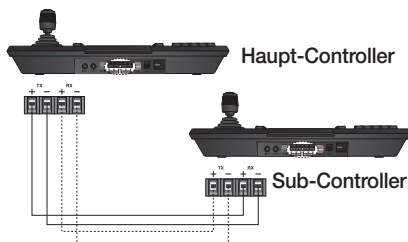
### Für das Halbduplex-System

- Verbinden Sie TX (+) PORT 2 des SPC-6000 mit TX (+) des PORT 2 des anderen SPC-6000.
- Verbinden Sie TX (-) PORT 2 des SPC-6000 mit TX (-) PORT 2 des anderen SPC-6000.



### Für das Vollduplex-System

- Verbinden Sie TX (+) PORT 2 des Haupt-Controllers SPC-6000 mit RX (+) PORT 2 des Sub-Controllers SPC-6000.
- Verbinden Sie TX (-) PORT 2 des Haupt-Controllers SPC-6000 mit RX (-) des PORT 2 des Sub-Controllers SPC-6000.
- Verbinden Sie RX (+) PORT 2 des Haupt-Controllers SPC-6000 mit TX (+) PORT 2 des Sub-Controllers SPC-6000.
- Verbinden Sie RX (-) des PORT 2 des Haupt-Controllers SPC-6000 mit TX (-) des PORT 2 des Sub-Controllers SPC-6000.



- Wenn Sie an anderen System Controllern verbinden möchten, müssen Sie den PORT 2 verwenden.

# menü verwenden

## ERSTE SCHRITTE

1. Schalten Sie alle Systemkomponenten-Geräte ein.



2. Wenn Sie das Netzteil an der Buchse an der Rückseite des System Controllers anschliessen, erscheint der Anmeldedialog.
3. Verwenden Sie den Ziffernblock um das Kennwort einzugeben und drücken Sie **[ENTER]**.  
Das Hauptmenü des PTZ-Control-Systems wird angezeigt.
  - Das voreingestellte Passwort lautet „4321“.



## STEUERN DER PTZ-KAMERA

### Zum Eingeben des PTZ-Steuerungsmodus

Drücken Sie **[PTZ]** auf dem Controller.

### Zum Auswählen einer Kamera

1. Verwenden Sie den Ziffernblock, um die Nummer der ausgewählten Kamera einzugeben.
2. Drücken Sie **[CAM]** oder **[ENTER]**.



## Schwenk/Neige -Steuerung

Sie können der Joystick des Controllers verwenden um den Schwenk-/Neigungswinkel der Kamera anzupassen. Je weiter der Joystick aus der Mittellage bewegt wird, desto schneller wird die Bewegungsgeschwindigkeit.

## Zoom

Drehen Sie den Joystick im Uhrzeigersinn oder drücken Sie **[ZOOM TELE]** um die Bedienung des Heranzoomens der Kamera zu steuern.

Drehen Sie den Joystick gegen den Uhrzeigersinn, oder drücken Sie **[ZOOM TELE]** um die Bedienung des Herauszoomens der Kamera zu steuern.

## Fokus

Drücken Sie **[FOCUS FAR]** oder **[FOCUS NEAR]** auf dem Controller, um den Fokus der Kamera anzupassen.

## Iris

Drücken Sie **[IRIS OPEN]** oder **[IRIS CLOSE]** auf dem Controller, um die Helligkeit des Kameravideos anzupassen.

## Voreinstellung

Bewegen Sie die Kamera zu einer Voreingestellten Stelle.

### Zum Einstellen von Preset

1. Wählen Sie die gewünschte Kamera aus, die Sie für Preset einstellen möchten.
2. Verwenden Sie den Joystick, um die Kamera zu der gewünschten Stelle zu versetzen.
3. Drücken Sie **[SETUP]** und geben Sie mithilfe der Zifferntasten eine gewünschte Nummer ein. Danach, drücken Sie **[PRESET]**.

### Zum Ausführen von Preset

1. Wählen Sie eine Kamera aus.
2. Geben Sie mithilfe der Zifferntasten eine gewünschte Nummer ein, und drücken Sie **[PRESET]**.
3. Die Preset werden ausgeführt.



- Für SCP-3430, SCP-2430, SCP-3250 und SCP-2250 PTZ Kuppel Serien, werden bei der Auswahl des Samsung E Protokolls maximal 512 Voreinstellungen unterstützt.

# menü verwenden

## Schwingen

Sie können die Kamera zwischen zwei voreingestellten Stellen bewegen, um den Gang zu überwachen.

### Schwingen-Setup

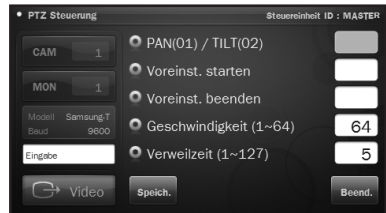
1. Wählen Sie auf dem Menübildschirm <Schwingen>.
2. Drücken Sie <EINSTELLUNG>.



3. Wählen Sie mithilfe der Zifferntasten PAN/TILT und legen Sie das Starten und Enden vom Preset fest.
4. Legen Sie die Geschwindigkeit und Verweilzeit fest.
5. Drücken Sie <Speich.>.

### Ausführung von Schwingen

1. Wählen Sie auf dem Menübildschirm <Schwingen>.
2. Wählen Sie mithilfe der Zifferntasten PAN/TILT für den Schwenktyp.
3. Die Schwenkfunktion wird ausgeführt.



## Gruppe

Sie können eine Gruppe von Multi Voreinstellungen bevor Sie sie in Sequenz abrufen, erstellen.

### Zum Einstellen einer Gruppe

1. Wählen Sie auf dem Menübildschirm <Gruppe/Scan>.
2. Wählen Sie <Gruppe Setting> aus.
3. Geben Sie eine Gruppennummer ein, und drücken [ENTER].
4. Legen Sie die Geschwindigkeit und Verweilzeit fest.
5. Drücken Sie <Speich.>.



### Zum Ausführen der Gruppenfunktion

1. Wählen Sie auf dem Menübildschirm <Gruppe/Scan> aus.
2. Wählen Sie <Gruppe Executing> aus.
3. Geben Sie eine Gruppennummer ein, und drücken [ENTER].
4. Die Gruppenfunktion wird ausgeführt.



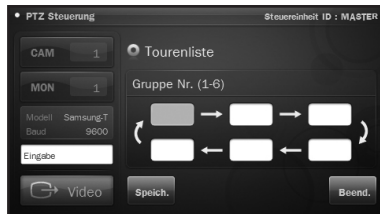
# menü verwenden

## Tour

Sie können eine Tour von mindesten eine Gruppe machen, bevor Sie die Gruppen in Sequenz ausführen.

### Zum Einstellen einer Tour

1. Wählen Sie auf dem Menübildschirm **<Tour>** aus.
2. Wählen Sie **<Tour Setting>** aus.
3. Mit jedem Druck auf eine Nummer von einer Gruppe die in einer Tour hinzugefügt werden soll, wird eine neue Gruppe zum Rundgang hinzugefügt.
  - Sie können bis zu 6 Gruppen pro Rundgang hinzufügen.
4. Drücken Sie **<Speich.>**, um Ihre Einstellungen zu übernehmen.



### Zum Ausführen der Tourfunktion

1. Wählen Sie auf dem Menübildschirm **<Tour>** aus.
2. Wählen Sie **<Tour Executing>** aus.
3. Die Rundgangsfunktion wird ausgeführt.

## Nachverfolgen

Mit dem Joystick oder Tasten der Kamera, können Sie den Controller programmieren die Bewegung der Kamera für eine bestimmte Zeit aufzuzeichnen und die Bewegung zu wiederholen.

### Zum Einstellen einer Nachverfolgung

1. Wählen Sie auf dem Menübildschirm **<Nachverfolgen/MUSTER>** aus.
2. Wählen Sie **<Aufzeich.läuft>** aus.
3. Wählen Sie eine Nachverfolgungsnummer für die Aufnahme.
4. Mit dem Joystick oder Tasten der Kamera, steuern Sie nach Ihren Wünschen die Bewegung der Kamera.



### To execute a trace

1. Wählen Sie auf dem Menübildschirm **<Nachverfolgen/MUSTER>** aus.
2. Wählen Sie **<Wiederg.läuft>** aus.
3. Legen Sie eine Nachverfolgungsnummer für die Ausführen fest.
4. Die Nachverfolgungsnummer wird ausgeführt.



### Autofokus

1. Wählen Sie auf dem Menübildschirm **<A/F>**.
2. Die Autofokussfunktion wird aktiviert.

### Rücksetzen

1. Wählen Sie auf dem Menübildschirm **<Rücksetzen>** aus.
2. Die Kamera wird zurückgesetzt.



### Ziel Verriegeln

1. Wählen Sie auf dem Menübildschirm **<Ziel Verriegeln>** aus.
2. Markieren Sie ein aufzuspürendes Objekt und drücken Sie [ENTER].
  - Diese Funktion wird nur aktiviert wenn von der Kamera die Nachverfolgungsfunktion unterstützt wird.

### Nachverfolgen

1. Wählen Sie auf dem Menübildschirm **<Nachverfolgen>** aus.
2. Die Nachverfolgungsfunktion wird ausgeführt.
  - Diese Funktion wird nur aktiviert wenn von der Kamera die Nachverfolgungsfunktion unterstützt wird.

# menü verwenden

## DVR STEUERN

Je nach Modell kann das DVR verschiedene Funktionen zur Verfügung haben. Weitere Informationen finden Sie im entsprechenden Benutzerhandbuch.



- Eine unsachgemäße Einstellung kann mit der Verwendung des DVRs Schwierigkeiten verursachen.

### Zum Auswählen eines DVRs

1. Drücken Sie **[DVR]**.
2. Verwenden Sie den Ziffernblock um die DVR-Nummer (0-255) einzugeben und drücken Sie **[ENTER]**.



3. Der Hauptmenübildschirm wird angezeigt.  
Es unterscheidet sich je nach Modell.



- Wenn ein DVR von den SRD-Protokollen unterstützt werden, zeigt die Menübildschirmanzeige nur verfügbare Menüpunkte an.
- Wenn Sie ein DVR anschliessen, der SRD-Protokolle unterstützt, werden die PTZ-Einstellungen automatisch eingestellt.



## Zum Auswählen eines DVR-Kanals

1. Verwenden Sie den Ziffernblock, um die Nummer des ausgewählten DVD-Kanals einzugeben.
2. Drücken Sie **[CAM]**.

## Zum Steuern des DVR-Menüs

1. Drücken Sie in der DVR-Steuerleiste **[MENU]**, um das Menü des ausgewählten DVRs zu steuern.
2. Verwenden die Richtungstasten, um zu dem gewünschten Menüpunkt zu gelangen und drücken Sie **[ENTER]**.

## Zum Steuern des an den DVR angeschlossenen PTZ-Geräts

Abhängig vom DVR-Modell, können Sie das angeschlossene PTZ-Gerät möglicherweise nicht steuern. Wenn dies der Fall ist, drücken **[PTZ]**, um den DVR-Steuerungsmodus auf Kamerasteuerungsmodus umschalten.

## Das PTZ-Gerät im PTZ-Modus steuern

1. Drücken Sie **[PTZ]** in der unteren Ecke des DVR-Menübildschirms.
2. Verwenden Sie den Joystick, um die PTZ-Kamera in Verbindung mit dem DVR zu steuern. Weitere Informationen finden Sie im DVR-Benutzerhandbuch.

## DVR-Anmelden

Sie müssen auf das DVR-Menü mit dem richtigen Benutzerkonto zugreifen.

- Wählen Sie **<Eingabe>**, um den Eingabe-Kasten zu deaktivieren. Jetzt können Sie nur die Zifferntaste verwenden, um den Kanal umzuschalten, oder das Kennwort für das DVR eingeben, ohne die Taste **[CAM]** zu verwenden. Wählen Sie **<Eingabe>** erneut, um in den vorherigen Modus zurückzukehren.



## MATRIX STEuern

### Zum Steuern des Monitors und der Kamera im Matrix-Modus

Sie können den Monitor und die Kamera im Matrix-Modus steuern.

1. Drücken Sie [MTX].
2. Drücken Sie eine Monitornummer aus und drücken Sie [MON].
3. Drücken Sie eine Monitornummer aus und drücken Sie [CAM].  
Der ausgewählte Monitor wird das Video der ausgewählten Kamera abspielen.



### Das aktuelle Video auf dem vorherigen Monitor wiedergeben.

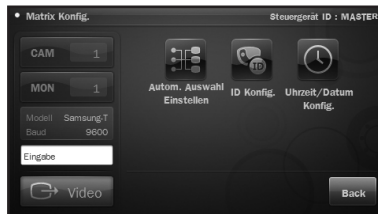
Geben Sie eine Nummer für die Kamera die ausgewählt werden soll.

1. Drücken Sie im Matrix-Einstellungsbildschirm die Kameranummer aus und drücken Sie [CAM].
2. Der vorherige Monitor wird das Video der aktuell ausgewählten Kamera abspielen.

### Automatisches Auswählen

Sie können im Matrix-Einstellungsmenü einen Bedienungsplan erstellen.

1. Drücken Sie im Matrix-Einstellungsbildschirm eine Monitornummer aus und drücken Sie [MON].
2. Wählen Sie auf dem Menübildschirm <Autom. Auswahl Einstellen>.



3. Wenn der Bildschirm **<Autom.Auswahl Einstellen>** erscheint, wählen Sie einen Monitor und eine Kamera für die Verbindung aus und legen Sie die Dwellzeit fest.
4. Wenn die Einstellungen der Kamera #1 abgeschlossen werden, drücken Sie **<Weiter>** und legen Sie die Dwellzeit für die Kamera #2 fest.
5. Wenn die Dwellzeiteinstellung abgeschlossen wird, drücken Sie **<Speich.>**



## Ausführen / Halten

Ausführen/Halten wird die Autom. Auswahl-Einstellung denen Sie gemacht haben ausführen bzw. halten.

Drücken Sie die Kombination von **<Alle> + <Ausführen>**, um Autom. Auswahl einzustellen.

Drücken Sie die Kombination von **<Alle> + <Halten>**, um die Bedienung von Autom. Auswahl zu stoppen und warten Sie auf Ihrer Eingabe.

-  ■ Zum Befehlen einer Funktion für einen einzelnen Monitor, drücken Sie die Kombination von einer „Monitornummer“ + **<Ausführen>** oder „Monitornummer“ + **<Halten>**.

## Alarm Play

Wenn der Sensor im Alarm Wiedergabemodus ausgelöst wird, ertönt eine Sirene wenn die Alarm-Einheit die Sirene auf EIN eingestellt hat, bzw. Können Sie externe Geräte über die Anzeigen steuern, wenn die Alarmeinheit die Anzeigen auf Steuerausgang gesetzt hat.

Drücken Sie erneut **<Alarm Play>**, um den Alarm der Alarmeinheit auszulösen.

# menüeinstellung

## AUF DAS HAUPTMENÜ ZUGREIFEN

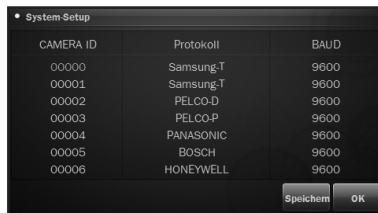
1. Die [FUNC] taste auf der fernbedienung drücken und auf [SETUP] klicken.
2. Wenn das Setup-System-Fenster angezeigt wird, wählen Sie einen gewünschten Menüpunkt aus.



## PTZ-EINSTELLUNG

Auf dem PTZ-Setup-Bildschirm, können Sie das Protokoll und Baudrate festlegen.

1. Auf dem Setup-Hauptbildschirm, drücken Sie <PTZ>.
2. Verwenden Sie die Pfeiltasten oder den Joystick, um das gewünschte Menü zu navigieren.
3. Sie können die Einstellungen ändern indem Sie [ZOOM WIDE] bzw. [ZOOM TELE] verwenden.
4. Wenn Sie die Protokoll- und Baudrate- Einstellungen abgeschlossen haben, drücken Sie <Speich.>.
5. Um PTZ-Setup zu verlassen, drücken Sie <OK> oder [ESC].



- Speichern Sie Ihre Einstellungen bevor Sie zu einer anderen Seite wechseln.

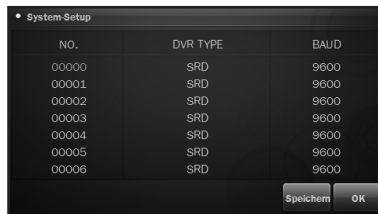
## DVR-EINSTELLUNG

Auf dem PTZ-Setup-Bildschirm, können Sie den DVR-Typ und Baudrate festlegen.

1. Auf dem Setup-Hauptbildschirm, drücken Sie **<DVR>**.
2. Wählen Sie mithilfe der Zifferntasten oder des Joysticks eine Kameranummer aus und legen Sie den DVR-Typ fest.
3. Legen die Baudrate fest.
4. Wenn fertig wird, drücken Sie **<Speich.>**.
5. Um DVR Setup zu verlassen, drücken Sie **<OK>** oder **[ESC]**.



- Speichern Sie Ihre Einstellungen bevor Sie zu einer anderen Seite wechseln.



## CONTROLLER-EINSTELLUNG

### Controller-ID

Sie können RS-485 oder RS-422 für das Kommunikationssystem auswählen.

1. Für das Kommunikationssystem zwischen Controller und externen Geräten, wählen Sie RS-485 oder RS-422 aus.
2. Drücken Sie die Port-Taste um die Port-ID festzulegen.



# menüeinstellung

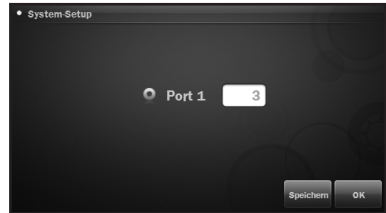
---

## PORT-1-ID

---

Sie können die Controller-ID für die Verwendung mit anderen Geräten festlegen.

1. Drücken Sie auf dem Control-ID-Setup- Bildschirm [Port 1].
2. Legen Sie die ID fest und drücken Sie <Speich.>.

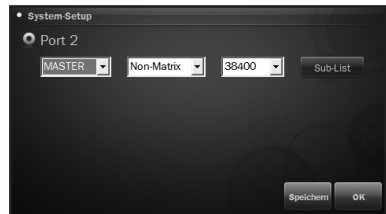


## PORT 2 ID

---

Sie können den Haupt- oder Sub-Controller für die Kommunikation zwischen Controllern festlegen, und auch den Anwendung von Matrix und Sub-Liste einstellen.

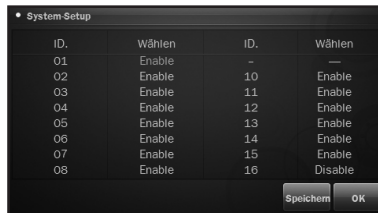
1. Drücken Sie auf dem Control-ID-Setup-Bildschirm [Port 2].
2. Verwenden die Richtungstasten, um zu dem gewünschten Punkt zu gelangen und wählen Sie zwischen Controllern ein Kommunikationssystem.
  - Sie müssen die Sub-Liste in einer Multi-Controller-Umgebung setzen.
3. Wenn fertig wird, drücken Sie <Speich.>.



## Sub-Liste

Für ein Kommunikationssystem mit Haupt- und Sub-Controllern, müssen Sie die <Sub-Liste> einstellen.

1. Drücken Sie <Sub-Liste>.
2. Verwenden die Richtungstasten, um zu dem gewünschten Punkt auszuwählen und konfigurieren Sie die Einstellungen indem Sie [ZOOM WIDE] oder [ZOOM TELE] Verwenden.
  - Die MATRIX-ID wird auf <SUB 09> Fixiert.



3. Wenn fertig wird, drücken Sie <Speich.>.
4. Um <Sub-Liste> zu verlassen, drücken Sie <OK> oder [ESC].

## Joystick-Bedienungstaste

Sie können die Bedienung für die Joystick-Taste einstellen.

1. Drücken Sie die Joystick <Taste>.
2. Wählen Sie vom Joystick-Bedienungstastenbildschirm eine Funktionstaste für die ausgewählte Joystick-Taste aus.
3. Überprüfen Sie die aktuelle Einstellung, drücken Sie <Beenden>.



## Bildschirmschoner

Sie können den Bildschirmschoner aktivieren, wenn Sie den Controller für einen längeren Zeitraum nicht verwenden werden.

1. Wenn Sie einen Logo anzeigen möchten, stellen Sie den Bildschirmschoner auf <Ein>.
2. Um die Veränderungen zu übernehmen, drücken Sie <OK>; Zum abbrechen, drücken Sie <Beenden>.

# menüeinstellung

## Werkseinstellungen

Sie können die aktuelle Einstellung auf die Werkseinstellungen zurücksetzen.

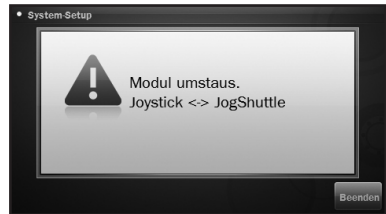
1. Drücken Sie **<Rücksetzen>**.
2. Drücken Sie **<OK>**.  
Die aktuellen Einstellungen werden auf die Werkseinstellungen zurücksetzen.
3. Drücken Sie **<Beenden>**, um den Menü zu verlassen.



## Zum Umschalten zwischen Module

Sie können die Position zwischen dem Joystick und Jog-Shuttle-Modul von links nach rechts oder umgekehrt umschalten.

1. Drücken Sie **<Umtauschen>**.
2. Sie können auf dem Modulumtauschbildschirm die Position des Joysticks und Jog-Shuttle umstellen.
3. Drücken Sie **<Beenden>**, um den Bildschirm zu verlassen.



## Sprache

Sie können eine gewünschte Sprache für die Benutzeroberfläche auswählen.

1. Drücken Sie **<Sprache>**.
2. Sie können auf dem angezeigten Sprachauswahlbildschirm mithilfe der Richtungstasten oder des Joysticks eine gewünschte Sprache auswählen.
  - Die Sprache wird auf die ausgewählte Sprache unmittelbar geändert.
3. Drücken Sie **<Beenden>**, um den Sprachauswahlbildschirm zu verlassen.



## Kennwort

Sie können das Kennwort für den Controller aktivieren oder deaktivieren.

1. Drücken Sie für das Kennwort die Taste **<Konfig.>**.
2. Um das Kennwort zu aktivieren, stellen Sie auf **<Ein>**  
Wenn nicht, stellen Sie auf **<Off>**.
3. Geben Sie das aktuelle Kennwort ein.
4. Um die Veränderungen zu übernehmen, drücken Sie **<OK>**; Zum abbrechen, drücken Sie **<Beenden>**.



## So ändern Sie das Kennwort

Sie können das Kennwort ändern.

1. Drücken Sie für das Kennwort die Taste **<Konfig.>**.
2. Geben Sie das aktuelle Kennwort ein.
3. Geben Sie ein neues Kennwort ein.
4. Um die Veränderungen zu übernehmen, drücken Sie **<OK>**; Zum abbrechen, drücken Sie **<Beenden>**.



- Das voreingestellte Passwort lautet „4321“.



- Das voreingestellte Passwort kann einem Hacker angriff ausgesetzt sein. Es wird daher empfohlen, das Passwort nach der Installation zu ändern.  
Beachten Sie, dass für die Sicherheit und andere durch ein unverändertes Passwort verursachte Probleme der Benutzer die Verantwortung trägt.

## FIRMWARE-AKTUALISIERUNG

Sie können die Firmware über dem USB-Speicher aktualisieren indem Sie die darin liegenden Firmware-Dateien verwenden.

### Zum Aktualisieren der Controller-Firmware

Sie können die neueste Firmware-Dateien herunterladen und der Controller aktualisieren.

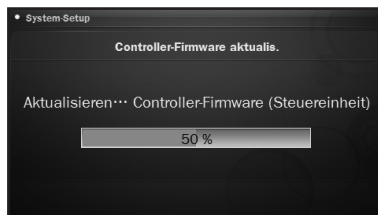
1. Sie können die neuesten Firmware-Dateien herunterladen und der Controller aktualisieren.
2. Auf dem Setup-Bildschirm, drücken Sie <Update>.
3. Drücken Sie <Controller-Firmware aktualisieren>.



4. Auf dem Update-Bildschirm, drücken Sie <OK>. Der Update-Status wird über eine Verlaufsanzeige angezeigt.
5. Warten Sie bis das System nachdem Abschluss der Aktualisierung neu gestartet wird.



- Ziehen Sie das USB-Speicher oder Netzkabel während der Aktualisierung nicht ab. Andernfalls, kann das Update fehlschlagen oder einen Systemausfall verursacht werden.

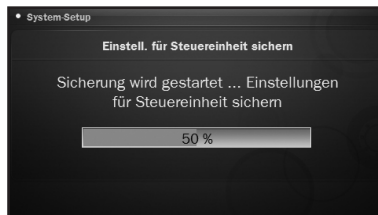


## Zum Sichern der Controller-Einstellungen

Wenn Sie den Controller ändern oder die Kamera umtauschen möchten, können Sie die Einstellungen des Controllers unter eine Datei speichern und die Controller-Einstellungen auf einer neuen Kamera laden.

1. Auf dem Menü-Setup-Bildschirm, drücken Sie **<Update>**.
2. Drücken Sie **<Einstell. für Steuereinheit sichern>**.
3. Drücken Sie **<OK>**.  
Der Sicherungsvorgang wird gestartet.

- Ziehen Sie das USB-Speicher oder Netzkabel während der Sicherung nicht ab. Andernfalls, wird die Sicherung der Controller-Einstellungen fehlgeschlagen.

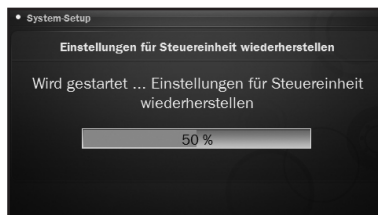


## Zum Wiederherstellen der Controller-Einstellungen

Wenn Sie den Controller falsch eingestellt oder zurückgesetzt haben, können Sie die aktuellen Einstellungen auf einem anderen Controller hochladen.

1. Auf dem Menü-Setup-Bildschirm, drücken Sie **<Update>**.
2. Drücken Sie **<Einstellungen für Steuereinheit Wiederherstellen>**.
3. Drücken Sie **<OK>**.  
Der Wiederherstellungsvorgang wird gestartet.

- Ziehen Sie das USB-Speicher oder Netzkabel während der Wiederherstellung nicht ab. Andernfalls, wird die Wiederherstellung der Controller-Einstellungen fehlgeschlagen.



# menüeinstellung

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## ZUM ÜBERPRÜFUNG DER CONTROLLER-INFORMATION

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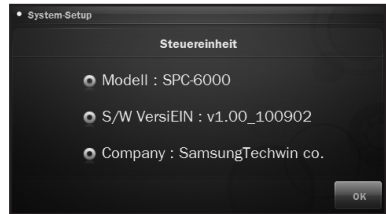
Sie können der Name des Modells und Software Version des System Controllers überprüfen.

### Bildschirm-Status

---

Sie können den Status des Controllers überprüfen.

1. Auf dem Menü-Setup-Bildschirm, drücken Sie <Status>.
2. Controller-Status überprüfen.



## TECHNISCHE DATEN

| Artikel                   | Beschreibung                                                                                                                                                                              |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Kommunikationssystem      | RS-485 / 422 (Fernbedienungsbereich: Max. 1km)<br>TTL (für das Steuern des Matrix)                                                                                                        |
| Einheiten zu steuern      | Max. 255                                                                                                                                                                                  |
| Baudrate                  | 2,400 - 38,400 Bps                                                                                                                                                                        |
| Kompatibilität            | PTZ / DVR / MATRIX / EMPFÄNGER                                                                                                                                                            |
| Protokoll (PTZ)           | Samsung-T, Samsung-E, PELCO-D, PELCO-P, Panasonic, Vicon, AD, Honeywell, ELMO, BOSCH, GE                                                                                                  |
| Protokoll (DVR)           | SVR, SRD, SRP                                                                                                                                                                             |
| Protokoll (MATRIX)        | SMX-25632                                                                                                                                                                                 |
| Protokoll (EMPFÄNGER)     | Samsung-T                                                                                                                                                                                 |
| Mehrsprachenunterstützung | Englisch, Spanisch, Französisch, Italienisch, Deutsch, Türkisch, Polnisch, Russisch, Portugiesisch, Schwedisch, Niederländisch, Tschechisch, Serbisch, Koreanisch, Chinesisch, Japanisch, |
| LCD-Display               | 5" TFT LCD + Touch-LCD                                                                                                                                                                    |
| USB-Anschluss             | Sicherung / Wiederherstellen, S/W-Aktualisierung                                                                                                                                          |
| Video-Anschluss           | BNC Video-Eingang, Durchschleifausgang                                                                                                                                                    |
| Joystick                  | PTZ-Steuerung (3 axiales Drehgriff-Zoom)                                                                                                                                                  |
| Jog-Shuttle               | Steuerung-DVD-Wiedergabe                                                                                                                                                                  |
| Strom                     | DC 12V Gleichstrom, Max 4W                                                                                                                                                                |
| Betriebstemperatur        | 0°C - 40°C                                                                                                                                                                                |
| Luftfeuchtigkeit Betrieb  | 10 - 70 % (Nicht kondensierend)                                                                                                                                                           |
| Abmessungen               | 459,1 (W) x 59,1 (H) x 177,9 (D) mm                                                                                                                                                       |
| Gewicht                   | Ca. 1,5 kg (Ohne Adapter)                                                                                                                                                                 |

## Q & A

| Problem                                      | Aktion                                                                                                                                                                                                                                                                                                   |
|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ich kann mit dem System nicht Kommunizieren. | <ul style="list-style-type: none"> <li>• Prüfen Sie ob das RS-485-Kommunikationskabel ordnungsgemäss angeschlossen ist</li> <li>• Wenn die Verbindung aufgrund von Störungen in der Leitung instabil ist, den G Anschluss des Geräts an den G Anschluss des SPC-6000 anschließen..</li> </ul>            |
|                                              | <ul style="list-style-type: none"> <li>• Überprüfen Sie ob die Adresse des System Controllers ordnungsgemäss definiert ist.</li> <li>• Für die Kommunikationseinstellungen des Controllers, lesen Sie „<b>RS-485-Kommunikation Einstellung</b>“ unter „<b>MENÜ-Einstellung</b>“. (► Seite 35)</li> </ul> |
| Der USB-Speicher wird nicht erkannt.         | <ul style="list-style-type: none"> <li>• Überprüfen Sie, ob der USB-Speicher korrekt funktioniert.</li> <li>• Verwenden Sie nur einen USB-Speicher und wiederholen Sie den Vorgang.</li> </ul>                                                                                                           |



- Das LCD-Panel des System Controllers ist einen Verschleissstil.  
Kontaktieren Sie einen Händler bzw. Kundendienst für den Kauf eines LCD-Panels.

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  - LGPL S/W
    - gLibc
- 

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Version 2.1, February 1999

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Samsungtechwin R&D Center, 701, Sampyeong-dong, Bundang-gu, Seongnam-si, Gyeonggi-do, Korea, 463-400  
TEL : +82-70-7147-8740~60 FAX : +82-31-8018-3745

### **SAMSUNG TECHWIN AMERICA Inc.**

100 Challenger Rd. Suite 700 Ridgefield Park, NJ 07660  
Toll Free : +1-877-213-1222 Direct : +1-201-325-6920  
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