

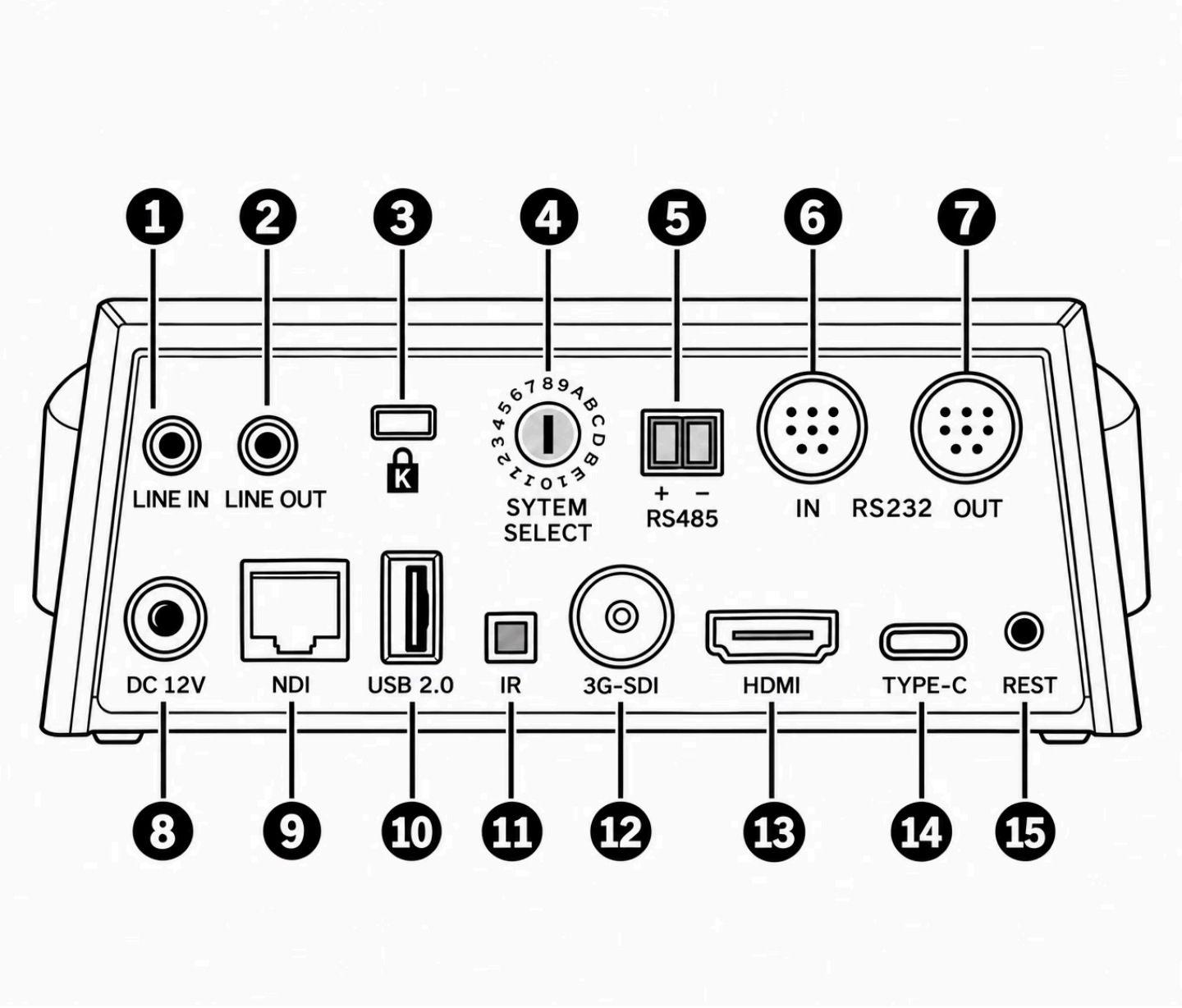

# PTZOptics Move SE

Technical Specifications

# Technical Specs

## Model Information

| Feature | Value |
| --- | --- |
| Official SKU | `PT12X-SE-GY-G3`, `PT12X-SE-WH-G3`, `PT20X-SE-GY-G3`, `PT20X-SE-WH-G3`, `PT30X-SE-GY-G3`, `PT30X-SE-WH-G3` |
| Model Name | `Move SE` |



## Move SE Connection List

1. 3.5mm Audio Input
2. 3.5mm Audio Output
3. Kensington Lock
4. Resolution Dial
5. RS-485 Interface
6. RS-232 Input
7. RS-232 Output
8. DC 12V Power
9. NDI HX LAN
10. USB 2.0
11. IR Receiver
12. 3G-SDI
13. HDMI Output
14. USB 3.0 Type-C
15. Restore Button

## Camera & Lens

| Feature | Specification |
| --- | --- |
| **Resolution & Frame Rate HDMI, SDI, & USB** | 1920x1080p - 60/59.94/50/30/29.97/25<br>1280x720p - 60/50 |
| **Resolution & Frame Rate NDI Stream 1** | 1920x1080,1280x720,1024x576, 960x540, 720x480, 720x408, 640x480, 640x360 1 ~ 60 FPS |
| **Resolution & Frame Rate NDI Stream 2 (used for low bandwidth NDI feed)** | 1280x720, 720x480, 720x408, 640x480, 640x360, 480x320, 320x240 1 ~ 60 FPS |
| **Lens** | **(12X)** Sony 1/2.8 inch, CMOS |
| * | **(20X)** Sony 1/2.8 inch, CMOS |
| * | **(30X)** Sony 1/2.8 inch, CMOS |

| Feature | Specification |
| --- | --- |
| **Image Sensor** | 2.13MP, Effective Pixels: 2.07 |
| **Optical Lens Focal Length (Zoom)** | **(12X)** f = 4.1mm ~ 49.2mm, F1.8 ~ F2.68 |
| * | **(20X)** f = 4.42mm ~ 88.5mm, F1.8 ~ F2.8 |
| * | **(30X)** f = 4.42mm ~ 132.6mm, F1.8 ~ F2.8 |
| **Maximum Tracking Distance** | **(12X)** 60' (20m) |
| * | **(20X)** 100' (33m) |
| * | **(30X)** 120' (40m) |
| **Optical Lens Field of View Horizontal & Vertical** | **(12X)** H 6.9° ~ 72.5° V 3.9° ~ 44.8° |
| * | **(20X)** H 3.4° ~ 60.7° V 1.9° ~ 34.1° |
| * | **(30X)** H 2.3° ~ 60.7° V 1.28° ~ 34.1° |
| **Display Field of View** | **(12X)** 85.2° |
| * | **(20X)** 69.6° |
| * | **(30X)** 69.6° |
| **Min Lux** | 0.5 Lux @ (F1.8, AGC ON) |
| **Shutter** | 1/30s ~ 1/10000s |
| **Pan Movement Range** | ±170° |
| **Tilt Movement Range** | -30° ~ +90° |
| **Pan Speed** | 1.7°/s ~ 100°/s |
| **Tilt Speed** | 1.7°/s ~ 69.9°/s |
| **Presets** | 255 Presets |

| Feature | Specification |
| --- | --- |
| **Preset Accuracy** | 0.1º |
| **Image Flip, Mirror, and Freeze** | Supported |

## Video Output Reference

| Feature | HDMI | 3G-SDI |
| --- | --- | --- |
| **Maximum Resolution** | **1080p @ 60fps** (1920 × 1080) | **1080p @ 60fps** (1920 × 1080) |
| **Connector** | HDMI | BNC (locking) |
| **Signal Type** | Uncompressed Digital | 3G-SDI (Level-A or Level-B) |
| **Embedded Audio** | ✅ Yes | ✅ Yes |
| **Typical Cable Length** | ~49 ft (15 m) without extenders | ~200–328 ft (60–100 m) |

## Physical Specifications

| Feature | Specification |
| --- | --- |
| **Dimensions(L x W x H)** | 6.7” L x 5.6” W x 6.5” H (7.88” with tilt up) / 169mm L x 142mm W x 164mm H (189mm with tilt up) |
| **Weight** | **(12X)** 3.25 lbs (1.47 kg) |
| * | **(20X)** 3.0 lbs (1.36 kg) |
| * | **(30X)** 3.0 lbs (1.36 kg) |
| **Working Environment** | Indoor |
| **Humidity Range** | 10% - 80% |
| **Operating Temperature** | 14°F ~ 104°F (-10°C ~ 40°C ) |

| Feature | Specification |
| --- | --- |
| **Storage Temperature** | -40°F ~ 140°F (-40°C ~ 60°C) |

## Connections

| Feature | Specification |
| --- | --- |
| **RJ45** | 10/100/1000M Adaptive Ethernet Port NDI HX enabled |
| **HDMI** | Version 1.3 |
| **3G-SDI** | BNC Type, 800mVP-p, 75Ω, Along to SMPTE 424M,standard |
| **USB 3.0** | Type C |
| **Compression Standards** | MJPEG / H.264 / H.265 |
| **Audio Interface** | 3.5mm Line level Input & Output |
| **RS232 Input** | 8-pin Mini DIN RS232 Input, Max distance: 98.5ft / 30m, **Protocol**: VISCA / Pelco-D / Pelco-P |
| **RS232 Output** | 8-pin Mini DIN RS232 Output, Max distance: 98.5ft / 30m, **Protocol**: VISCA / Pelco-D / Pelco-P |
| **RS485 Input / Output** | 2-pin Phoenix port RS485 Input / Output, Max distance: 3,937ft / 1200m, **Protocol**: VISCA / Pelco-D / Pelco-P |
| **IR** | 4x IR Addresses, Max distance 30ft / 9m |
| **Power Supply** | JEITA type (DC IN 12V) / PoE (802.3af) |
| **Current Consumption** | Max 2.0A |

### Power Supply

> **INFO**
>
> The IEC 60601-1 certified power adapter is **purchased separately**. The external power adapter included with this device is not IEC 60601-1 certified.
>
> **IEC 60601-1 certified, PTZOptics SKU number:** `PT-PSB-M`
> IEC 60601-1 certified, Manufacturer Model: `EM1024QR(10)`, manufactured by Edac Power Electronics (Suzhou) Co., Ltd. (No. 59, Chang Sheng Road, Sheng Pu, Suzhou Industrial Park, Jiangsu, China).

- **Input:** `100–240 V~` (interchangeable wall-mount)
- **Output:** `12.0 V DC / 2.0 A / 24.0 W`, Efficiency Level VI
- **DC Cable & Plug:** `1200 mm` cable; `5.5 × 5 × 1.0 mm` inner-pin DC plug
- **Camera Max Input Current:** `2.0 A`
- **Replacement Power Supply:** Visit ptzoptics.com/where-to-buy
- **Power over Ethernet (PoE):** Supports PoE (IEEE 802.3af). Use a medical-grade PoE network switch complying with IEC 60601 or an isolated PoE injector.
- **Disconnecting Power / Supply Mains (IEC 60601-1, Clause 8.11.1):** To completely disconnect the camera from power, unplug the external power adapter from the AC wall outlet (or disconnect the PoE Ethernet cable). The power adapter plug serves as the disconnect device; do **NOT** position the equipment where it is difficult to reach and unplug.

## Front Status LED Indicators

The camera front panel features a blue **Power LED** and a green **Standby Status LED**:

| Camera State | Power LED (Blue) | Standby LED (Green) |
|---|---|---|
| **Power-on (initial boot)** | On | On |
| **Normal operation (idle, no control)** | Steady On | Off |
| **Receiving IR remote signal** | Steady On | Flashes once |
| **Standby mode** | On | On |
| **Privacy Mode** | On | Flashes continuously |

## Packing List & Approved Accessories

Use only manufacturer-approved accessories. Compatibility of any third-party accessory must be confirmed with Haverford Systems Inc. before use:

| Accessory | Specification / Part Number |
|---|---|
| **AC Power Adapter** | PTZOptics SKU `PT-PSB-U` `12.0 V DC / 2.0 A / 24.0 W` |
| **Power Cable** | AC power cord (supplied with the adapter; regional mains plug) |
| **RS-232 Cable** | 8-pin Mini-DIN RS-232 cable (VISCA / Pelco-D / Pelco-P; max `30 m`) |
| **IR Remote Control** | IR remote control, 4 IR addresses, control range `9 m` (`30 ft`) |
| **USB Cable** | USB cable USB C-A Cable |
| **Lens Cap** | Lens cap (supplied with the camera) |
| **Quick Start Guide** | Quick Start Guide |
| **AAA Batteries** | 2 AAA batteries |

## Compliance

The Move SE is an NDAA Compliant camera.

- **Country of Origin:** China or Laos.

Covered by one or more claims of the HEVC patents listed at patentlist.accessadvance.com



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