

PTZOptics Rise 4K

Product Manual

Rise 4K



- Getting Started
- Using Horizon Web UI
- Using the IR Remote
- The OSD Menu
- Control Options
- Networking
- Streaming
- Adjusting Image Settings
- Preset Camera Positions
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Broadcast Advanced Connections

Genlock and Timecode Overview

Genlock synchronizes **when** each camera captures a video frame for live switching, while **Timecode** assigns a shared timestamp to every recorded frame so footage aligns in post-production. For a conceptual breakdown of how they differ, see Genlock and Timecode Explained.

Do You Need One or Both?

That depends on your production.

If you're...	You typically need...
Streaming or recording with a single camera	Neither
Recording multiple cameras for editing later	Timecode
Running a live broadcast with multiple cameras	Genlock
Producing professional live broadcasts that will also be edited later	Both

About Genlock

Genlock (Generator Lock) synchronizes the timing of multiple video devices so they all begin each video frame at the same moment.

Instead of each camera running on its own internal clock, connected devices lock to a shared reference signal. This helps enable cleaner switching between cameras and better compatibility with professional production systems.

Genlock is commonly used in **Broadcast Studios** and **Live Event Production**.

When to Use Genlock

Common examples include:

- Multiple cameras are connected to a professional video switcher.
- Your production equipment requires a common reference signal.
- You are producing live broadcasts where seamless camera switching is important.

WHAT YOU NEED

- Video Reference Generator (house sync generator) or compatible reference source
  - Professional productions often use a dedicated video reference generator, such as a Blackmagic Design Sync Generator or an AJA GEN10, to distribute a common synchronization signal to multiple cameras and production devices.
- 75 ohm BNC coaxial cable
- Other production equipment configured to use the same reference signal.

Genlock Connection Setup

1. Connect the SYNC output of your house sync generator to the camera GENLOCK connector.
2. Configure all compatible cameras and production equipment to use the same reference source.
3. Verify synchronization before recording or going live.

IMPORTANT

Genlock carries only a timing reference. It does not carry video, audio, or control signals.

Best Practices

- Use a single master sync generator for all compatible devices.
- Use quality 75 ohm BNC cables.
- Ensure every device is configured for the same video format (for example, 2160p59.94 or 1080p60).
- Verify synchronization before beginning production.

Genlock Specifications

Feature	Specification
Connector	BNC
Direction	Input only
Signal Level	1.0 Vp-p
Cable Type / Impedance	75 ohm coaxial (broadcast video cable)

About Timecode

Timecode is a continuously increasing timestamp assigned to every recorded video frame.

When multiple cameras and recording devices receive the same timecode, each frame shares a common timestamp. This makes footage synchronization much easier during editing and post-production.

Unlike Genlock, Timecode does not synchronize video timing. It provides a shared reference that editing software uses to align recordings.

When to Use Timecode

Timecode is recommended whenever footage from multiple devices needs to be synchronized later.

Common examples include:

- Multi-camera productions
- Interviews
- Broadcast production
- Live events
- Productions using external audio recorders

WHAT YOU NEED

- External LTC (Linear Timecode) generator or compatible LTC source
- 75 ohm BNC coaxial cable
- Recording devices configured to use the same timecode source

Timecode Connection Setup

1. Connect the LTC output of your timecode generator to the camera TIME CODE connector.
2. Configure all compatible cameras and recording devices to use the same timecode source.
3. Verify that every device is receiving matching timecode before recording.

IMPORTANT

Timecode carries timing information only. It does not carry video, audio, or control signals.

Timecode Best Practices

- Use one LTC generator for every camera and audio recorder.
- Verify matching timecode before recording.
- If using portable timecode generators, jam-sync every device before production begins.
- Avoid disconnecting the timecode source during recording.

Timecode Specifications

Feature	Specification
Connector	BNC
Direction	Input only
Signal Type	LTC (Linear Timecode)
Cable Type / Impedance	75 ohm coaxial (broadcast video cable)

About SFP+ Fiber Output

The PTZOptics **Rise 4K** camera includes an **SFP+** (Enhanced Small Form-factor Pluggable Plus) port that allows you to transmit a **4K 12G-SDI video signal** over fiber optic cable. While traditional SDI connections use coaxial cable, an SFP+ fiber connection extends the distance you can send uncompressed video while providing greater immunity to electrical interference.

WHAT YOU NEED

- Compatible SFP+ transceiver module
- LC duplex fiber cable
- Matching SFP+ transceiver (or compatible fiber receiver) on the other end

Fiber Connection Setup

Before you begin ensure your camera is powered on and connected to your network via Ethernet.

When powered, the **Rise 4K** camera performs a startup sequence:

1. **Self-calibration:** During startup, the camera moves through its full range of motion while both the **green (Standby)** and **blue (Power)** LEDs are on. When self-calibration is complete, the camera returns to Preset 0.
2. **Ready:** Once the camera stops moving and the **green LED** turns off, your camera is ready to use.

Rise 4K includes a built-in SFP+ cage, which accepts a compatible SFP+ transceiver module.

1. Install your compatible transceiver
2. Then connect an LC duplex fiber optic cable between the camera and a compatible receiving device.
3. On the receiving device end install a compatible SFP+ transceiver to connect to your video switcher or fiber receiver.

REQUIREMENTS

The receiving device must also have a compatible SFP+ transceiver or use a fiber receiver that converts the optical signal back to 12G-SDI.

Fiber Connection Diagram



SFP+ Specifications

Feature	Specification
Video Format	12G-SDI over Fiber
Fiber Type	Single-mode (SMF)
Maximum Data Rate	Approximately 11Gbps
Connector Type	LC Duplex
Transmission Distance	Up to 10km (6.2 miles) with single-mode fiber
Stream Carry	Uncompressed 4K Video, Embedded Audio, Timecode, Closed Captions, Ancillary (ANC) Data

The OSD Menu

Opening the On-Screen Display (OSD) Menu

Using the **IR Remote**, press the **[Menu]** button to display the OSD (On-Screen Display) menu. Use the arrow keys to navigate the OSD menu, the **[Home]** button to make selections, and the **[Return]** button to go back.

Opening the On-Screen Display provides the list of sub-menus shown below.

1. **Exposure**
2. **Color**
3. **Image**
4. **P / T / Z**
5. **Noise Reduction**
6. **Setup**
7. **Information**
8. **Restore Default**
9. **Privacy Mode**

Exposure Menu

The following settings can be adjusted from the Exposure menu:

Exposure Mode	
Options	Auto, Manual, SAE, AAE, Bright
Default	Auto

Exposure Modes Explained

- **Auto:** The camera automatically adjusts Iris, Shutter, and Gain to achieve optimal exposure.
- **Manual:** The user manually sets Iris, Shutter, Gain, and Dynamic Range Control (DRC) for precise exposure control.
- **SAE (Shutter Priority Automatic Exposure):** The user manually sets Shutter, Gain Limit, Meter Region, and DRC while the camera automatically adjusts Iris for optimal exposure.
- **AAE (Aperture Priority Automatic Exposure):** The user manually sets Iris, Gain Limit, Anti-Flicker, Meter Region, and Dynamic Range Control (DRC) while the camera automatically adjusts Shutter for optimal exposure.
- **Bright :** The user manually sets Bright (Brightness) Gain Limit, Anti-Flicker, Meter Region, and Dynamic Range Control (DRC) while the camera automatically adjusts Iris and Shutter for optimal exposure in low-light conditions.
- **OnePush :** The camera automatically adjusts exposure settings based on a single button press. The user can adjust Gain. To perform a one push exposure adjustment, click the icon next to the exposure mode dropdown with OnePush selected.

> NOTE
>
> OnePush Exposure coming in a future firmware update.

Additional Exposure Settings

Exp-Comp	
Options	-7 ~ +7
Default	-3
Note	*Available only while ExpCompMode is On.*

Backlight	
Options	On, Off

Backlight	
Default	Off
Note	*Available only in Full Auto mode.*

Bright	
Options	0 ~ 14
Note	*Available only in AAE, Bright mode.*

Gain Limit	
Options	0 ~ 10
Default	5
Note	*Available only in Full Auto, and AAE modes.*

Anti-Flicker	
Options	Off, 50Hz, 60Hz
Default	60Hz
Note	*Available in all modes.*

Iris	
Options	F2.8, F3.1, F3.4, F3.7, F4.0, F4.4, F4.8, F5.2, F5.6, F6.2, F6.8, F7.3, F8.0, F9.6, F11.0, Close
Note	*Available only in Manual, AAE mode.*

Meter	
Options	Average, Center, Smart, Top
Default	Average
Note	*Available only in Full Auto, SAE, AAE,and Bright modes.*

Shutter	
Options	1/50, 1/75, 1/100, 1/120, 1/150, 1/250, 1/350, 1/500, 1/725, 1/1000, 1/1500, 1/2000, 1/3000, 1/4000, 1/6000, 1/10000
Note	*Available only in Manual, SAE mode.*

Gain	
Options	0 ~ 10
Note	*Available only in Manual mode.*

DRC	
Options	0 ~ 8
Default	3

Color Menu

The following settings can be adjusted from the Color menu:

WB (White Balance) Mode	
Options	Auto, Indoor, Outdoor, One Push, Manual, VAR
Default	Auto

White Balance Modes Explained

- **Auto:** The camera automatically adjusts white balance based on the lighting conditions.
- **Indoor:** Optimized for indoor lighting conditions, typically around 3200K.
- **Outdoor:** Optimized for outdoor lighting conditions, typically around 5600K.
- **Manual:** The user manually sets Red Gain and Blue Gain for precise white balance control.
- **One Push:** The camera automatically adjusts white balance based on a single button press. Users can manually adjust red and blue gain. To perform a one push white balance adjustment, click the icon next to the WB Mode dropdown with One Push selected.
- **VAR:** The user manually sets Color Temperature, Red Gain, and Blue Gain for precise white balance control.

Additional Color Settings

R Gain	
Options	0 ~ 255
Default	-2
Note	*Available only in Manual modes.*

B Gain	
Options	0 ~ 255

B Gain	
Default	3
Note	*Available only in Manual modes.*

Color Temp	
Options	2000K ~ 15000K
Note	*Available only in VAR mode.*

RG Tuning	
Options	-10 ~ +10
Note	*Available only in Auto, One Push, and VAR mode.*

BG Tuning	
Options	-10 ~ +10
Note	*Available only in Auto, One Push, and VAR mode.*

Saturation	
Options	60% ~ 200%
Default	100%

Hue	
Options	0 ~ 14

Hue	
Default	8

Image Menu

The following settings can be adjusted from the Image menu:

Luminance	
Options	0 ~ 14
Default	8

Contrast	
Options	0 ~ 14
Default	9

Sharpness	
Options	Auto, 0 ~ 11
Default	9

Flip-H	
Options	On, Off
Default	Off

Flip-V	
Options	On, Off
Default	Off

B&W Mode	
Options	On, Off
Default	Off

Style	
Options	Default, Norm, Bright, EXT, PC
Default	Default

P / T / Z (Pan Tilt Zoom) Menu

The following settings can be adjusted from the P / T / Z menu:

Zoom Mode	
Options	Digital, Optical, SuperZoom
Default	Optical
Note	***SuperZoom*** *effectively doubles the camera's optical zoom while halving the resolution. For example, a 20X 4K camera using SuperZoom becomes a 40X 1080p camera. Panning, Tilting, or Zooming the camera in while using SuperZoom does not cause resolution degradation beyond the initial halving cost.*

Zoom Mode	
	Digital Zoom *differs in that it degrades resolution progressively as you digitally zoom in.*

Digital Zoom	
Options	Off, 2x, 4x, 8x, 16x
Default	Off

SpeedByZoom	
Options	On, Off
Default	On

L/R Set	
Options	STD, REV
Default	STD

Image Freeze	
Options	On, Off
Default	Off

Call Preset Speed	
Options	1 ~ 24
Default	12

Preset Zoom Speed	
Options	0 ~ 7
Default	5

PT Speed	
Normal Mode	Pan & Tilt increments 1–127
Note	*Provides 127 speed increments for pan and tilt movement. This mode offers simple, easy-to-select speed adjustments suitable for most applications.*

Preset Speed Mode	
Options	Global, Ind.
Default	Global
Note	*Global mode applies the selected preset speed to all presets, while Ind. mode allows individual preset speed settings.*

Noise Reduction Menu

Adjusts the levels of digital noise reduction.

NR3D (3D Noise Reduction)	
Options	0 ~ 9
Default	6

Setup Menu

The following settings can be adjusted from the Setup menu:

Language	
Options	English, Chinese
Default	English

Video Settings	
Options	SDI-12 Out, Video Format, HDMI Adaptation, HDMI Color Format
SDI-12 Out	SFP, BNC
Note	*Choose BNC for output directly from the camera's 12G-SDI port. Choose SFP for output via the SFP module.*
Video Format	HDMI, SDI
HDMI Adaptation	Define HDMI adaptation mode. Options include: On, Off
HDMI Color Format	Define HDMI color format. Options include: RGB, YUV

Audio Settings	
Options	Line, Mic, XLR
Note	*Choose the appropriate audio input source for the camera.*

USB	
Options	Off, On
Default	Off
Note	*Determine whether the USB port is enabled or disabled for embedding audio.*

AF (Auto-Focus) Sensitivity	
Options	High, Normal, Low
Default	Normal

AF (Auto-Focus) Zone	
Options	Front, Top, Center, Bottom
Default	Center

Auto Focus Limit	
Options	Off, On
Default	Off
Options	Far Limit, Near Limit
Note	*Set the far and near focus limits when Auto Focus Limit is enabled. Limits options are can be adjusted in the following increments: INF (infinite), 1m, 1.5m, 2m, 3m, 4m, 5m, 6m, 7m, 8m, 9m, 10m, 20m*

Focus Limit	
Options	Off, On
On Settings	**Furthest Pos:** Define the farthest focus position Options include: INF, 1m ~ 20m. **Nearest Pos:** Define the nearest focus position Options include: INF, 1m ~ 20m

ND-Mode (ND Filter)	
Options	Off, 1/4, 1/16, 1/64
Best For	**Off:** Indoor environments or low-light conditions **1/4:** Bright indoor lighting or lightly overcast outdoor conditions **1/16:** Bright outdoor conditions **1/64:** Very bright sunlight
Navigation	OSD Menu > Setup Menu > Focus Settings > ND Filter

Night Mode	
Options	Off, On
Description	*Enables or disables infrared (IR) night-vision mode for low-light scenes.*

Protocol	
Options	VISCA, PELCO-D, PELCO-P, Auto
Default	VISCA

VISCA Address	
Options	1 ~ 7
Default	1

VISCA AddrFix	
Options	Off, On
Default	Off

Net Mode	
Options	Serial, Parallel
Default	Serial

Baudrate	
Options	2400, 4800, 9600, 38400
Default	9600

Pelco D Address	
Options	0 ~ 254
Default	1

Pelco P Address	
Options	0 ~ 31
Default	1

Tracking Settings

Tracking Enable	
Options	On, Off

Tracking Mode	
Options	Presenter, Zone, Auto Frame
Note	***Presenter Mode*** *tracks the largest moving object in the camera's field of view.* ***Zone Mode*** *establishes up to 4 tracking zones for tracking and requires that they overlap. These zones are established just like a preset.* ***Auto Frame Mode*** *automatically frames the largest moving object in the camera's field of view.*

Figure Size	
Options	Full, Half Body, Close Up, Custom
Note	***Full*** *frames the entire body of the tracked object.* ***Half Body*** *frames the tracked object from the waist up.* ***Close Up*** *frames the tracked object from the chest up.* ***Custom*** *allows users to define a custom frame size for tracking.*

Tracking Overlay	
Options	On, Off
Note	*When toggled on, the overlay highlights the tracked object with a box. When toggled off, the overlay is not displayed.*

Delay Time	
Options	0 ~ 60 seconds
Note	*This setting determines the delay before the camera returns to its original position after tracking has been lost. For example, if the camera loses track of the object, it waits for the specified delay time before returning to its original position.*

Motion Sync

Motion Sync	
Options	Off, On
Default	Off
Note	*While toggled on users can access the **Max Speed** setting for motion sync through this menu. This is the speed used for Sync while calling presets. Range: 0 ~ 7*

Other Settings

Preset Tour	
Options	On, Off
Note	*When toggled on, the camera automatically cycles through all presets in order.*

OSD Flip	
Options	On, Off
Note	*When toggled on, the OSD is flipped upside down.*

OSD Timeout	
Options	Off, 2.5min
Note	*When enabled, the OSD automatically disappears after 2.5 minutes of inactivity.*

LDC (Lens Distortion Correction)	
Options	On, Off
Note	*When toggled on, the camera corrects lens distortion by slightly cropping image edges. This is useful for wide-angle lenses where edge distortion can occur. Toggle off to maximize field of view, with the tradeoff of slightly more visible edge distortion.*

Tally Brightness	
Options	Off, Low, Medium, High
Default	Medium

OIS Switch	
Description	Optical Image Stabilization Switch

OIS Switch	
Options	On, Off
Note	*When toggled on, the camera stabilizes the image to reduce shake and vibration.*

Display Info	
Options	On, Off
Note	*When toggled on, the camera displays information such as current preset, zoom level, and other settings on the video output for status monitoring.*

Preset Image	
Options	On, Off
Note	*When toggled on, the camera displays a preset image on the video output when the camera is idle, such as a logo or other information.*

Information Menu

The information menu displays the following:

Information	
Version	Displays the current firmware version of the camera.
Model	Displays the model number of the camera.

Information	
Date	Displays the current date.
AF Version	Displays the current auto-focus version of the camera.
ARM Version	Displays the current ARM version of the camera.
Video Format	Displays the current video format of the camera.

Restore Default

This menu is used to restore the camera's factory default settings.

Restore Default	
Options	Reset, Cancel
Default	Reset
To Reset	*Press the **[Enter]** button to Confirm. Restoring the default settings will return all camera parameters to factory defaults. Press the **[Back]** button to Cancel.*

Technical Specs

Model Information

Feature	Value
Official SKU	`PT20X-RISE-4K-BK`
Model Name	`Rise 4K`



Connections

1. System Select (Resolution Dial)
2. Kensington lock
3. Line out
4. Line in
5. RS422 out (RJ45)
6. RS422 in (RJ45)
7. RS232 in (RJ45)
8. Dual XLR inputs (with 48V Phantom Power)
9. 12G-SDI output

10. Time code
11. Genlock
12. SFP+ fiber port (12G-SDI extension)
13. Restore button
14. MicroSD card slot
15. USB 3.0 Type-C
16. HDMI 2.0 output
17. 3G-SDI output
18. LAN (RJ45, 10/100/1000M) with PoE++
19. DC 12V power

Video Formats

Feature	Specification
Resolutions & Frame Rates HDMI / 12G-SDI	`4KP60`, `4KP59.94`, `4KP50`, `4KP30`, `4KP29.97`, `4KP25`, `4KP24`, `4KP23.98`, `1080P60`, `1080P59.94`, `1080P50`, `1080P30`, `1080P29.97`, `1080P25`, `1080P24`, `1080P23.98`, `1080I60`, `1080I50`, `1080I59.94`, `720P60`, `720P59.94`
Resolutions & Frame Rates 3G-SDI	`1080P60`, `1080P59.94`, `1080P50`, `1080P30`, `1080P29.97`, `1080P25`, `1080P24`, `1080P23.98`, `1080I60`, `1080I50`, `1080I59.94`, `720P60`, `720P59.94`

Imaging System

Feature	Specification
Sensor	`1 inch`, `CMOS`, `Progressive Scan`, `Effective Pixels: 50 million`
Lens	`20x`, `f9.79mm to 186.5mm`, `F2.8 to F4.5`
Digital Zoom	`16x`

Feature	Specification
Horizontal FoV	`70°` to `4.1°`
Vertical FoV	`41.9°` to `2.3°`
Minimum Illumination	`0.5Lux @ (F2.8, AGC ON)`
Shutter	`1/30s` to `1/10000s`
ND (Neutral Density) Filter	`Built-in` (`OFF`, `1/4`, `1/16`, `1/64`)
Image stabilization	`OIS` (`Optical Image Stabilization`)
OIS (Optical Image Stabilization) Operating Range	`3Hz` to `8Hz`
White Balance	`Auto`, `Manual`, `Indoor`, `Outdoor`, `One Push`, `VAR`
Digital Noise Reduction	`3D Digital Noise Reduction`
SNR	`≥55dB`
Supported Features	- `Backlight Compensation` - `Horizontal Flip & Vertical Flip` - `Image Freeze`

Video Output Reference

Feature	HDMI	3G-SDI	12G-SDI (Rise 4K)
Maximum Resolution	**4K @ 60fps** (3840 × 2160)	**1080p @ 60fps** (1920 × 1080)	**4K @ 60fps** (3840 × 2160)
Connector	HDMI 2.0	BNC (locking)	BNC (locking)

Feature	HDMI	3G-SDI	12G-SDI (Rise 4K)
Signal Type	Uncompressed Digital	3G-SDI (Level-A or Level-B)	12G-SDI (Level-A)
Embedded Audio	✅ Yes	✅ Yes	✅ Yes
Typical Cable Length	~49 ft (15 m) without extenders	~200–330 ft (60–100 m)	~100–165 ft (30–50 m)

Pan, Tilt, and Presets

Feature	Specification
Pan range	`±172°`
Tilt range	`-30°` to `+120°`
Pan Speed	`0.004°/S` to `180°/S`
Tilt Speed	`0.004°/S` to `180°/S`
Preset Positions Number	`255`
Preset Position Accuracy	`0.1°`

USB Specifications

Feature	Specification
Support Operating System	`Windows 7`, `Windows 8`, `Windows 10`, `Mac OS X`, `Linux`, `Android`
Color Space/Compression	`YUY2` / `H.264` / `MJPEG` / `H.265`

Feature	Specification
Video Format	`YUY2`: `Max 1080P@30fps`, `H.264 AVC`: `Max 2160P@60fps`, `H.265 HEVC`: `Max 2160P@60fps`, `MJPEG`: `Max 2160P@60fps`
UVC (USB Video Communication Protocol)	`UVC 1.1`, `Supports USB Embedded Audio`

Network Video and Audio

Feature	Specification
Video Compression	`H.265`/`H.264`/`MJPEG`
Video Stream	`First stream`, `Second stream`
First Stream Resolution	`3840x2160`, `1920x1080`, `1280x720`, `1024x576` etc.
Second Stream Resolution	`720x576`, `720x480`, `320x240` etc.
Bit Rate	`32kbps` to `102400kbps`
Bit Rate Control	`Variable bit rate`, `Fixed bit rate`
Frequency	`P50`: `1fps` to `50fps`, `P60`: `1fps` to `60fps`
Audio Compression	`AAC`
Audio Bit Rate	`96Kbps`, `128Kbps`

Protocols

Feature	Specification
Control Protocols	`HTTP(S)`, `ONVIF`, `VISCA/Pelco-D/Pelco-P`
Video Protocols	`NDI HX3`, `SRT`, `RTSP`, `RTMP(S)`

Feature	Specification
Other	`FreeD`

Video and Synchronization I/O

Feature	Specification
Video Outputs	1x `HDMI: 2.0`
	1x `12G-SDI: BNC type, 800mVp-p, 75Ω, Comply with SMPTE2082 standard`
	1x `3G-SDI: BNC type, 800mVp-p, 75Ω, Comply with SMPTE 424M standard`
Genlock	1x `BNC type□1.0Vp-p□75Ω□input only`
Timecode	1x `BNC type□75Ω□input only`

Network, USB, and Storage I/O

Feature	Specification
Network	1x `RJ45: 10M/100M/1000M adaptive Ethernet`
USB	1x `USB3.0, Type-C`
SD Card	1 channel `MicroSD`

Audio I/O

Feature	Specification
Audio	1x `Line In, 3.5mm Audio Interface□`

Feature	Specification
	1x `Line Out, 3.5mm Audio Interface`
	2x `XLR Inputs (Optional 48V Phantom Power)`

Serial Control I/O

Feature	Specification
Control Options	1x `RS232 In: RJ45, VISCA/Pelco-D/Pelco-P protocol`
	1x `RS485/422: RJ45, VISCA/Pelco-D/Pelco-Protocol`
	1x `RS422 out: RJ45, VISCA/Pelco-D/Pelco-Protocol`

Power

Feature	Specification
Power	`JEITA type DC IN 12V`
Power Over Ethernet	`PoE++ IEEE 802.3bt`
Input Current	`5A maximum`

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

Camera State	Power LED (Blue)	Standby LED (Green)
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

General Specifications

Feature	Specification
Installation	`Normal` and `Inverted`
Tally Light	3x `(Bi-color, Red and Green)`

Environmental and Physical Specifications

Feature	Specification
Working Temperature	`0°C to 40°C`
Storage Temperature	`-40°C to 60°C`
Dimension	`205mm x 237mm x 272mm (8.07" × 9.33" × 10.71")`
Net weight	`4.8KG (10.58 lbs)`

Certifications

- CE-EMC
- CE-LVD
- FCC

- REACH
- RoHS
- UKCA
- NDI HX3 (Pending Certification)

Compliance

- The Rise 4K is **NDAA Compliant**.
- Covered by one or more claims of the HEVC patents listed at patentlist.accessadvance.com