

PT-RE-2 RoboEye 2 Robotic PTZ Camera



The RoboEye2 (PT-RE-2) is a fully integrated, aesthetically pleasing robotic camera system that includes a 1"-type EXMOR R™ CMOS 4K digital camera with zoom lens and a compact pan/tilt head. The system's robotic servo controls use motors of ultra-high position and velocity accuracy, which makes RoboEye2 the perfect choice for on-air use, including those with augmented reality or virtual systems – without any additional required peripherals.

A rugged design satisfies military applications as well as demanding commercial and industrial applications where high reliability and smooth and accurate camera performance are critical. RoboEye2's ergonomic design is also compact, weather proof, and tightly sealed.

A network interface allows users to access video and control online, while accommodating Ethernet, USB and serial interfaces. The RoboEye2 comes ready for use with a universal mounting bracket that accommodates wall-, ceiling- and shelf-mounted installations.

KEY FEATURES

- Fully integrated 4K professional camera
 - Advanced 1.0" type Exmor R™ CMOS 4K imager
 - Ultra-high sensitivity for low light situations
 - Accurate color reproduction
 - Extremely low noise
 - Excellent depth of field to expand creativity
 - Built-in ND filters (x2)
- PoE
- Powerful zoom (12x 4K / 18x HD)
- 4K / HD / SD outputs
- Image Stabilization
- AE Mode / Slow AE Mode
- Slow Shutter
- Control via IP/serial (WiFi/GSM 3G ready, GSM-LTE optional)
- MIC Input
- Front & rear tally lights
- Genlock for VR applications

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Specifications

Camera/Lens	
Imaging Device	1.0-type Exmor R™ 4K CMOS Sensor
Total Pixels	3840x2160 (QFHD), 1920x1080 (Full HD), 1280x720 (HD), 720x480/576 (SD)
Minimum Illumination	0.5 lx (Shutter Speed : 1/30 s) 0.067 lx (Shutter Speed : 1/4 s or 1/3 s)
S/N	50dB
Gain Setup-level	Auto / Manual (0 dB to 48.0 dB), 0 to 16 steps
Shutter	1/1 to 1/10000 s, 22 steps
Image Invert	Electronic Flip, Mirror Image
Image Processing Functions	AE Modes: Full Auto, Manual, Priority mode (shutter/iris), Bright, EV Compensation Manual Controls: White Balance (Auto, ATW, Indoor, Outdoor, One Push WB, Manual WB, Outdoor Auto, Sodium Vapor Lamp, Standard / Straight gamma, Noise Reduction (3D, 2D), Visibility Enhancer, Defog, Image Stabilization, Slow AE Response, Slow Shutter
Zoom	18X (f = 9.3mm to 167.4mm, F2.8 to F4.5)
Focus	MOD = 80-1000mm Auto Focus: (Normal AF, Interval AF, Zoom Trigger AF [Sensitivity : normal, low]), Manual: (Standard, Variable, Direct), One Push Trigger, Near Limit, Spot Focus
Iris	Full Auto/Manual, 16 steps

Ordering Information

MODEL NUMBER	DESCRIPTION
PT-RE-2	RE RoboEye PTZF Camera - Black
PT-RE-2-WHT	RE RoboEye PTZF Camera - White
PT-RE-2-WP	RE RoboEye PTZF Camera Weather Proof - Black
PT-RE-2-WP-WHT	RE RoboEye PTZF Camera Weather Proof - White
PT-RE-2-BKT	RoboEye Universal Mounting Bracket
PT-RE-2-WBKT	RoboEye Wall Mounting Bracket
PT-RE-2-BKT-WHT	RoboEye Universal Mounting Bracket - White
PT-RE-2-WBKT-WHT	RoboEye Universal Wall Mounting Bracket - White

Interface/Signals	
HD-SDI (BNC)	1080p/59.94, 1080p/50, 1080p/29.97, 1080p/25, 1080p/23.98, 1080i/59.94, 1080i/50, 720p/59.94, 720p/50, 480p/59.94, 576p/50
AUX (BNC)	Robotic Serial Data
Genlock (BNC)	IN / OUT, Bilevel or Trilevel *Note: FOR VR APPLICATIONS ONLY
Ethernet x2 (RJ45)	(1) PoE 802.3 at/bt 1000BASE-T/100BASE-TX/10BASE-T (1) IEEE 802.3 ab1000BASE-T/100BASE-TX/10BASE-T
USB	USB 2.0 Type-A upstream
HDMI (micro-HDMI)	QFHD (4K) / HD / SD
Serial	RS232 / 422
Pan	Interface To/From PTZF head
Tilt	Interface To/From PTZF head
Microphone Input	Line level, Stereo 3.5mm
Pan/Tilt	
Pan/Tilt Travel	Pan (360°) (non continuous) Tilt (270°)
Velocity Pan/Tilt	0.01-90°/Sec (16bit)
Acceler. Pan/Tilt	45°/Sec
Audible Noise	25 dB (A) Max, IEC Free Field
Stop/Position Accuracy	<0.03° / <0.005°
Tally	Red & Green
Power Inputs	PoE 802.3 at type 1(13W), type 2(25W) and 802.3 bt type 3(51W), type 4(71W) AC line input with supplied power supply 85-264 Vac, 12Vdc at 8 amps, 100W
Operating Temperature	32° to 104° (0° to 40°C)
Operating Humidity	90% Non-condensing
Weight	25 lbs. (11.4 kgs.)
Color	Black or White Custom Colors Available

Specifications and features are subject to change without prior notice.

Contact:



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