

2.1M FULL HD HD-SDI 30 IR RUGGED PTZ

WRO-WE20D30

• ACCESSORY (Option)



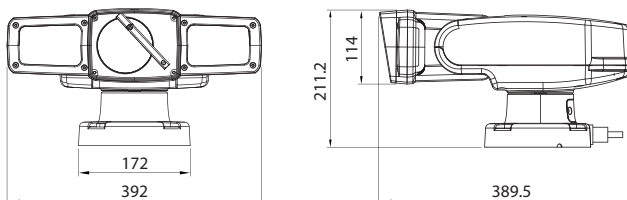
3-Axis Controller



→ KEY FEATURES

- 1/3" 2 Megapixel CMOS, Full HD (High Definition)
- Using Progressive Scan and Auto WDR
- 20x Optical Zoom and F1.6 Aperture (Digital Zoom 12x)
- 3D DNR
- Super 30 IR LED
- Digital and Analog Outputs
- A Variety of Digital Output Methods
- Auto ICR
- Motion Detection
- Up to 63 Preset Positions
- Digital Auto Flip
- 8 Alarm Inputs, 2 Relay Outputs
- 8 Auto Scan (Programmable Speed and Diagonal Scan)
- Pan Motion Allows 0.1-90°/sec Pan Speed
- Programmable Privacy Masking (8 Zones)
- RS-422, RS-485 and Remote Program Update
- Programmable Zoom Speeds

→ DIMENSIONS



→ SPECIFICATIONS

WRO-WE20D30		
Image Sensor	1/3" CMOS Sensor	
Picture Elements	200K pixels	
Lens	20x zoom f=4.7mm(Wide) ~ 94.0mm(Tele) / F1.6 ~ F3.5	
Digital Zoom	12x (240x with optical zoom)	
Angle of View (H)	1080i mode : Approx. 55.4 degrees (Wide end) / Approx. 2.9 degrees (Tele end) 720p mode : Approx. 37.6 degrees (Wide end) / Approx. 2.0 degrees (Tele end)	
Min. Working Distance	10mm (Wide end) / 800mm (Tele end)	
Sync System	Internal	
Min. Illumination	0.5Lux/1/30sec, 50% (Interlace mode) (High Sensitivity mode ON) 1.7Lux/1/30sec, 50% (Typical value) 0.26Lux/1/4sec (NTSC), 1/3sec (PAL) (Typical value) ICR-ON mode 0.0005Lux/1/4sec (NTSC), 1/3sec (PAL)	
Recommended Illumination	100 to 100,000Lux	
S/N Ratio	50 dB (Weight On)	
Back Light Compensation	On / Off	
Electronic Shutter Speed	60/30 mode : 1/1 to 1/10000sec (22 steps) 50/25 mode : 1/1 to 1/10000sec (22 steps)	
White Balance	Auto, ATW, Indoor, Outdoor, One Push WB, Manual WB, Outdoor Auto, Sodium Vapor	
Gain	Auto / Manual (-3 dB to +28 dB, 16 steps)	
Wide Dynamic Range	On / Off / Auto	
Noise Reduction	On / Off (Level 5 to 1 / Off, 6 steps)	
Color Enhancement	On / Off	
Aperture Control	16 Steps	
Preset	6 Positions	
Serial Interface	VISCA protocol (TTL/CMOS) 9.6Kbps, 19.2Kbps, 38.4Kbps	
IR LED	Length	200m (Manual Focusing)
	Power	OSRAM 870nm, 1W, 30EA
Video Out	HD-SDI	1 CH (1920x1080 60i, 1920x1080 30p)
	CVBS	1 CH, IP Webserver (Option)
Communication	PTZ Control	RS-422 (4 wire), RS-485 (2 wire)
Pan	Angle	360° Continuous pan
	Manual Speed	0.1° to 90°/sec (64 step proportional to zoom)
	Preset Speed	150°/sec, ±0.1° Accuracy
Tilt	Angle	180° (±90°)
	Manual Speed	0.1° to 90°/sec (64 step proportional to zoom)
	Preset Speed	150°/sec, ±0.1° Accuracy
Dimensions	392(W) x 211.2(H) x 389.5(D)mm	
Weight	Less than 12.5kg	
Motor	Holding Torque	13.5kgf/cm, 1.35N.m
	Step Angle	1.8° Deg.
	Winding Type	Bipola
Ingress Protection	IP66	
Construction	Aluminum	
Temperature	Operating	-20°C to 50°C
	Storage	-20°C to 60°C
	Fan	-10°C to 40°C (4 step control)
	Heater	-10°C to 0°C (4 step control)
Operating Humidity	50°C to 90°C (4 step control)	
Power	Voltage	DC 11.5V ~ DC 30V, AC 15V ~ DC 30V (60Hz), Dual Power
	Current	DC 15V, 8A / AC 24V, 5A
	Heater / Fan	10W / 3.4W