



**AM-XD2500-R4U30**  
**5MP 30X Starlight IR POE AI PTZ Camera**



**Superior Engineering Design & Sensational Image Quality**

**AM-XD2500-R4U30**

**5MP 30X Starlight IR POE AI PTZ Camera**



H.265+ VIDEO COMPRESSION



SMART CODEC



SMART IR



3D NOISE REDUCTION



VOLTAGE PROTECTION



12VCD/  
PoE 802.af

**SUPER WDR**



**Features :**

- Support Auto-tracking
- Up to 2880×1620@30fps
- Min. illumination Color: 0.001Lux@F1.5
- Optical zoom: 30×, digital zoom 16×
- Smart IR, IR Range: 200m
- S+265/H.265/H.264/M-JPEG
- Support Human/Vehicle Classification
- IP66

## Technical Specifications

Model No	AM-XD2500-R4U30
<b>Camera</b>	
Image Sensor	1/2.8" CMOS
Signal System	PAL/NTSC
Min. Illumination	Color: 0.001lux@ (F1.6, AGC ON), BW: 0lux with IR
Shutter Time	1s to 1/100,000s
Day&Night	IR Cut Filter with Auto Switch
Optical Zoom	30X
Digital Zoom	16X
<b>Lens</b>	
Focal Length	4.7mm~141mm
Zoom Speed	<5s
Field of View	Horizontal filed of view: 61.9° (w)~2.5° (t) Vertical filed of view: 35.5° (w)~1.4° (t) Diagonal field of view:69.1°(w)~2.9°(t)
Aperture Range	F1.6~F4.3
Focus Control	Auto/Manual
Iris Control	Auto
Close Focus Distance	1 m-1.5 m
<b>Pan&amp;Tilt</b>	
Pan Range	360°
Pan Speed	Pan Manual Speed: 0.1°~180°/s, Pan Preset Speed: 240°/s
Tilt Range	-16°~90° (Default -3°~90°)
Tilt Speed	Tilt Manual Speed: 0.1°~120°/s, Tilt Preset Speed: 120°/s
3D Position	Yes
Preset	500
Preset Accuracy	±0.4°
Cruise	16, up to 32 presets per cruise
Scan	8
Pattern	8, each with 600s memory or 1000 orders
Scheduled Task	Preset、Cruise、Scan、Pattern、Alarm output
Park Action	Yes
Power-off Memory	Yes
<b>Illuminator</b>	
IR LEDs	10
IR Distance	Up to 200m
IR Irradiation Angle	Adjustable by Zoom
<b>Compression Standard</b>	
Video Compression	S+265/H.265/H.264/M-JPEG
Video Bit Rate	32Kbps~16Mbps
Audio Compression	G.711A/G.711U/ADPCM_D/AAC_LC
Audio Sampling Rate	8K~48Kbps

## Technical Specifications

Model No	AM-XD2500-R4U30
<b>Image</b>	
Max. Resolution	5MP (2880x1620)
Main Stream	PAL: 25fps (2880x1620, 2688x1520, 2560x1440, 2304x1296, 1920x1080, 1280x960, 1280x720) NTSC: 30fps (2880x1620, 2688x1520, 2560x1440, 2304x1296, 1920x1080, 1280x960, 1280x720)
Sub Stream	PAL: 25fps (704x576, 704x288, 640x360, 352x288) NTSC: 30fps (704x480, 704x240, 640x360, 352x240)
Third Stream	PAL: 25fps (1920x1080, 1280x960, 1280x720, 704x576, 640x480, 704x288, 352x288) NTSC: 30fps (1920x1080, 1280x960, 1280x720, 704x480, 640x480, 704x240, 352x240)
BLC	Yes
HLC	Yes
WDR	True WDR
White Balance	Auto/Semi-auto/Manual/Sunny/Natural light/Warm light/Sodium lamp/Incandescent lamp/Locked white balance
AGC	Yes
Noise Reduction	2D/3D
ROI	7 Dynamic Areas for Both Main and Sub Stream, support 1 auto-tracking ROI
Picture Overlay	Yes
Privacy Mask	Yes
Smart Defog	Yes
Image Setting	Saturation, brightness, contrast, sharpness, adjustable by client software or web browser
Flip	Yes
OSD	16x16, 24x24,32x32, 48x48, 64x64,96x96, adaptable size, Letters such as Week, Date, Time, Total 5 Regions
<b>Feature</b>	
Alarm Trigger	Event Input, Event Output, Mask Alarm, Disk Full, Disk R/W Error, IP Address Conflict, MAC Address Conflict, FTP Server Exception
Video Analytics	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Heatmap, Crowd, People Counting, On Duty Detection, Safety Helmet Detection, Video Abnormal, Audio Abnormal
Auto-Tracking	Yes
<b>Network</b>	
Protocols	HTTP/HTTPS/TCP/UDP/UPnP/SNMP/DHCP/DNS/DDNS/Easy/DDNS/NTP/SMTP/SSL/802.1X/QoS/IPV4/IPV6/PPPOE/SSH/Unicast/Multicast/RTMP/RTP/RTSP/NFS/SMB/CIFS/FTP
System Compatibility	ONVIF (PROFILE S/T/G/M)
ANR	Auto store video in SD card when NVR disconnected, and upload video to NVR when resumed connection
Remote Connection	≤7
User/Host	Up to 32 users. 4 user levels
<b>Interface</b>	
Communication Interface	1 RJ45 10M/100M self adaptive Ethernet port
Audio I/O	1/1
Alarm I/O	8/2
Reset Button	Yes
On-board storage	Built-in Micro SD card slot, up to 512 GB
RS-485	Yes

## Technical Specifications

Model No	AM-XD2500-R4U30
<b>General</b>	
Protection	IP66 , TVS 6000V lightning protection, surge protection and voltage transient protection
Web Client Language	English
Operating Conditions	-40°C~70°C (IR OFF), -40°C~40°C (IR ON), 0-95%RH
Power Supply	AC24V±25%/POE++(IEEE802.3 bt)
Power Consumption	20W (IR OFF), 38W (IR ON)
Material	ADC12
Package/Boundary Dimensions	Φ310x500mm (Φ222x372mm)
Gross/Net Weight	8.45kg (5.3kg)

### DIMENSIONS (Unit: mm)

