

Affordable IP-10 Camera Series



4MP 32x IR PTZ Camera IP-10403LPT





About the Camera : IP 10 Series cameras are affordable latest camera series by Wavesys. It is built on advanced system-on-chip technology from California based company Ambarella and Sony Starvis Sensors. The IP 10 series cameras are integrated with Wavesys Open Platform Enterprise Level Video Management Software WVMS. Wavesys is a video-based business intelligence leader with deep knowledge of different applications of intelligent video across distinct verticals.

Key Features

- . Full HD 4 MP @30FPS
- True Day/Night & WDR
- . 32x Optical zoom
- . Power over Ethernet (IEEE 802.3af)

- . H.265, H.264 and MJPEG compression
- . Smart Motion Detection Technology
- . IP67 and IK10 Environmental Housing
- . CE, FCC, BIS & RoHS Certification

Application













Key features of WVMS



WVMS Professional - Monitoring Console



WVMS Video Content Analytics



WVMS Enterprise - Wall & Redundancy



WVMS License Plate Recognition



WVMS Facial Recognition Module



WVMS Mobile Application

Specification

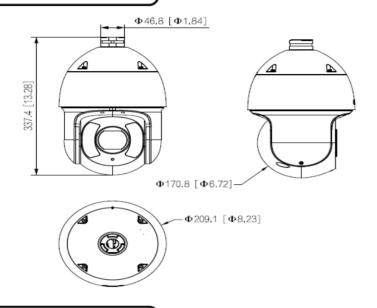
Model IP-10403LPT	CAMERA	
Effective Pixels 2560 (H) × 1440 (V) Scanning System Progressive scanning AGC Control Auto IRIS Type Auto Minimum Illumination Color: 0.005Lux@F1.6 B/W: 0.0005Lux@F1.6 Lens 4.8mm-154 mm, 32x Optical zoom,16x Digital zoom Angle of View H: 60.2°-2.7°; V: 34°-1.5°; D: 68°-3° Shutter Time Auto / Manual: 1/1 ~ 1/30,000, Anti-Flicker Day & Night Auto (ICR)/Color/B/W Wide Dynamic Range 120 dB Noise Reduction 2D; 3D S/N Ratio 50 dB IR Range 250m VIDEO Video Compression H.264H; H.264B; Smart H.265+; H.264; H.265; MJPEG (Sub Stream1; Smart H.264+ Image Stabilization Electronic Image Stabilization (EIS) Multiple Profile Streaming Main stream: 4M/1080p/1.3M/720p @(1-25/30 fps) Sub stream 1: D1/VGA/CIF@ (1-25/30 fps) Sub stream 2: 1080p/1.3M/720p @(1-25/30 fps) Max Resolution 2560x1440 Video Bit Rate H.265/H.264: 3 kbps-20480 kbps Bitrate Control Multi Streaming CBR/VBR (Controllable frame rate and Bandwidth) Digital Noise Reduction 3D-DNR Privacy Mask 24 programmable zones Region of Interest (Rol) Yes Other Image Processing Configurable Exposure, White Balance, Sharpness Image Orientation Flip / Mirror / Corridor Mode EDGE STORAGE Storage Micro SD card (512 GB);FTP/SFTP; NAS) card not included) AUDIO Audio Streaming Two Way Audio Compression G.711,G.722	Model	IP-10403LPT
Scanning System AGC Control Auto AIRIS Type Auto Minimum Illumination Color: 0.005Lux@F1.6 B/W: 0.0005Lux@F1.6 Lens 4.8mm-154 mm, 32x Optical zoom,16x Digital zoom Angle of View H: 60.2*-2.7*; V: 34*-1.5*; D: 68*-3* Shutter Time Auto / Manual: 1/1 ~ 1/30,000, Anti-Flicker Day & Night Auto (ICR)/Color/B/W Wide Dynamic Range 120 dB Noise Reduction 20; 3D S/N Ratio 50 dB IR Range 250m VIDEO Video Compression H.264H; H.264B; Smart H.265+; H.264; H.265; MJPEG (Sub Stream1); Smart H.264+ Image Stabilization Multiple Profile Streaming Main stream: 4M/1080p/1.3M/720p@(1-25/30 fps) Sub stream 2: 1080p/1.3M/720p@(1-25/30 fps) Sub stream 2: 1080p/1.3M/720p@(1-25/30 fps) Max Resolution 2560x1440 Video Bit Rate H.265/H.264: 3 kbps-20480 kbps Bitrate Control Multi Streaming CBR/VBR (Controllable frame rate and Bandwidth) Digital Noise Reduction Digital Noise Reduction 3D-DNR Privacy Mask 24 programmable zones Region of Interest (Rol) Ves Other Image Processing Configurable Exposure, White Balance, Sharpness Image Orientation Flip / Mirror / Corridor Mode EDGE STORAGE Micro SD card (512 GB);FTP/SFTP; NAS) card not included) AUDIO Audio Streaming Two Way Audio Compression G.711,G.722	Image Sensor	1/2.8" 4Megapixel STARVIS™ CMOS
AGC Control IRIS Type Auto Minimum Illumination Color: 0.005Lux@F1.6 B/W: 0.0005Lux@F1.6 Lens 4.8mm—154 mm, 32x Optical zoom,16x Digital zoom Angle of View H: 60.2°-2.7°; V: 34°-1.5°; D: 68°-3° Shutter Time Auto / Manual: 1/1 ~ 1/30,000, Anti-Flicker Day & Night Auto (ICR)/Color/B/W Wide Dynamic Range 120 dB Noise Reduction 2D; 3D S/N Ratio 18 Range 250m VIDEO Video Compression H.264H; H.264B; Smart H.265+; H.264; H.265; MJPEG (Sub Stream1); Smart H.265+; H.264; H.265; MJPEG (Sub Stream1); Smart H.264+ Image Stabilization Multiple Profile Streaming Performance Sub stream 1: D1/VGA/CIF@ (1-25/30 fps) Sub stream 2: 1080p/1.3M/720p@(1-25/30 fps) Sub stream 2: 1080p/1.3M/720p@(1-25/30 fps) Max Resolution 2560x1440 Video Bit Rate H.265/H.264: 3 kbps-20480 kbps Bitrate Control Multi Streaming CBR/VBR (Controllable frame rate and Bandwidth) Digital Noise Reduction Privacy Mask 24 programmable zones Region of Interest (Rol) Ves Other Image Processing Configurable Exposure, White Balance, Sharpness Image Orientation Flip / Mirror / Corridor Mode EDGE STORAGE Micro SD card (512 GB);FTP/SFTP; NAS) card not included) AUDIO Audio Streaming Two Way Audio Compression G.711,G.722	Effective Pixels	2560 (H) × 1440 (V)
IRIS Type Auto Minimum Illumination Color: 0.005Lux@F1.6 B/W: 0.0005Lux@F1.6 Lens 4.8mm-154 mm, 32x Optical zoom,16x Digital zoom Angle of View H: 60.2°-2.7°; V: 34°-1.5°; D: 68°-3° Shutter Time Auto / Manual: 1/1 ~ 1/30,000, Anti-Flicker Day & Night Auto (ICR)/Color/B/W Wide Dynamic Range 120 dB Noise Reduction 2D; 3D S/N Ratio 50 dB IR Range 250m VIDEO Video Compression H.264H; H.264B; Smart H.265+; H.264; H.265; MJPEG (Sub Stream1); Smart H.265+ Image Stabilization Electronic Image Stabilization (EIS) Multiple Profile Streaming Main stream: 4M/1080p/1.3M/720p@(1-25/30 fps) Sub stream 2: 1080p/1.3M/720p@(1-25/30 fps) Sub stream 2: 1080p/1.3M/720p@(1-25/30 fps) Max Resolution 2560x1440 Video Bit Rate H.265/H.264: 3 kbps-20480 kbps Bitrate Control Multi Streaming CBR/VBR (Controllable frame rate and Bandwidth) Digital Noise Reduction 3D-DNR Privacy Mask 24 programmable zones Region of Interest (Rol) Yes Other Image Processing Configurable Exposure, White Balance, Sharpness Image Orientation Flip / Mirror / Corridor Mode EDGE STORAGE Micro SD card (512 GB);FTP/SFTP; NAS) card not included) AUDIO Audio Streaming Two Way Audio Compression G.711,G.722	Scanning System	Progressive scanning
Minimum Illumination Color: 0.005Lux@F1.6 B/W: 0.0005Lux@F1.6 B/W: 0.0005Lux@F1.6 Lens 4.8mm-154 mm, 32x Optical zoom,16x Digital zoom Angle of View H: 60.2°-2.7°; V: 34°-1.5°; D: 68°-3° Shutter Time Auto / Manual: 1/1 ~ 1/30,000, Anti-Flicker Day & Night Auto (ICR)/Color/B/W Wide Dynamic Range 120 dB Noise Reduction 50 dB IR Range 250m VIDEO Video Compression H.264H; H.264B; Smart H.265+; H.264; H.265; MJPEG (Sub Stream1); Smart H.264+ Image Stabilization Electronic Image Stabilization (EIS) Multiple Profile Streaming Performance Sub stream : D1/CAG/CIF@ (1-25/30 fps) Sub stream 2: 1080p/1.3M/720p @(1-25/30 fps) Sub stream 2: 1080p/1.3M/720p @(1-25/30 fps) Max Resolution 2560x1440 Video Bit Rate H.265/H.264: 3 kbps-20480 kbps Bitrate Control Multi Streaming CBR/VBR (Controllable frame rate and Bandwidth) Digital Noise Reduction Digital Noise Reduction Privacy Mask 24 programmable zones Region of Interest (Rol) Ves Other Image Processing Image Orientation Electronic GSB/;FTP/SFTP; NAS) card not included) AUDIO Audio Streaming Two Way Audio Compression G.711,G.722	AGC Control	Auto
B/W: 0.0005Lux@F1.6 Lens	IRIS Type	Auto
Lens 4.8mm-154 mm, 32x Optical zoom,16x Digital zoom Angle of View H: 60.2°-2.7°; V: 34°-1.5°; D: 68°-3° Shutter Time Auto / Manual: 1/1 ~ 1/30,000, Anti-Flicker Day & Night Auto (ICR)/Color/B/W Wide Dynamic Range 120 dB Noise Reduction 2D; 3D S/N Ratio 50 dB IR Range 250m VIDEO Video Compression H.264H; H.264B; Smart H.265+; H.264; H.265; MJPEG (Sub Stream1); Smart H.264+ Image Stabilization Electronic Image Stabilization (EIS) Multiple Profile Streaming Main stream: 4M/1080p/1.3M/720p @(1-25/30 fps) Sub stream 1: D1/VGA/CIF@ (1-25/30 fps) Sub stream 2: 1080p/1.3M/720p @(1-25/30 fps) Max Resolution 2560x1440 Video Bit Rate H.265/H.264: 3 kbps-20480 kbps Bitrate Control Multi Streaming CBR/VBR (Controllable frame rate and Bandwidth) Digital Noise Reduction 3D-DNR Privacy Mask 24 programmable zones Region of Interest (Rol) Yes Other Image Processing Configurable Exposure, White Balance, Sharpness Image Orientation Flip / Mirror / Corridor Mode EDGE STORAGE Storage Micro SD card (512 GB);FTP/SFTP; NAS) card not included) AUDIO Audio Streaming Two Way Audio Compression G.711,G.722	Minimum Illumination	Color: 0.005Lux@F1.6
Angle of View H: 60.2°-2.7°; V: 34°-1.5°; D: 68°-3° Shutter Time Auto / Manual: 1/1 ~ 1/30,000, Anti-Flicker Day & Night Auto (ICR)/Color/B/W Wide Dynamic Range 120 dB Noise Reduction 2D; 3D S/N Ratio 50 dB IR Range 250m VIDEO Video Compression H.264H; H.264B; Smart H.265+; H.264; H.265; MJPEG (Sub Stream1); Smart H.264+ Image Stabilization Electronic Image Stabilization (EIS) Multiple Profile Streaming Main stream: 4M/1080p/1.3M/720p@(1-25/30 fps) Sub stream 2: 1080p/1.3M/720p@(1-25/30 fps) Sub stream 2: 1080p/1.3M/720p@(1-25/30 fps) Max Resolution 2560x1440 Video Bit Rate H.265/H.264: 3 kbps-20480 kbps Bitrate Control Multi Streaming CBR/VBR (Controllable frame rate and Bandwidth) Digital Noise Reduction 3D-DNR Privacy Mask 24 programmable zones Region of Interest (Rol) Yes Other Image Processing Configurable Exposure, White Balance, Sharpness Image Orientation Flip / Mirror / Corridor Mode EDGE STORAGE Storage Micro SD card (512 GB);FTP/SFTP; NAS) card not included) AUDIO Audio Streaming Two Way Audio Compression G.711,G.722		B/W: 0.0005Lux@F1.6
Shutter Time Auto / Manual: 1/1 ~ 1/30,000, Anti-Flicker Day & Night Auto (ICR)/Color/B/W Wide Dynamic Range 120 dB Noise Reduction 50 dB IR Range 250m VIDEO Video Compression H.264H; H.264B; Smart H.265+; H.264; H.265; MJPEG (Sub Stream1); Smart H.265+ Image Stabilization Electronic Image Stabilization (EIS) Multiple Profile Streaming Main stream: 4M/1080p/1.3M/720p @(1–25/30 fps) Sub stream 1: D1/VGA/CIF@ (1–25/30 fps) Sub stream 2: 1080p/1.3M/720p @(1–25/30 fps) Max Resolution 2560x1440 Video Bit Rate H.265/H.264: 3 kbps-20480 kbps Bitrate Control Multi Streaming CBR/VBR (Controllable frame rate and Bandwidth) Digital Noise Reduction 3D-DNR Privacy Mask 24 programmable zones Region of Interest (Rol) Yes Other Image Processing Configurable Exposure, White Balance, Sharpness Image Orientation Flip / Mirror / Corridor Mode EDGE STORAGE Micro SD card (512 GB);FTP/SFTP; NAS) card not included) AUDIO Audio Streaming Two Way Audio Compression G.711,G.722	Lens	4.8mm–154 mm, 32x Optical zoom,16x Digital zoom
Day & Night Auto (ICR)/Color/B/W Wide Dynamic Range 120 dB Noise Reduction 2D; 3D S/N Ratio 50 dB IR Range 250m VIDEO Video Compression H.264H; H.264B; Smart H.265+; H.264; H.265; MJPEG (Sub Stream1); Smart H.265+ Image Stabilization Electronic Image Stabilization (EIS) Multiple Profile Streaming Main stream: 4M/1080p/1.3M/720p @(1–25/30 fps) Performance Sub stream 1: D1/VGA/CIF@ (1–25/30 fps) Sub stream 2: 1080p/1.3M/720p @(1–25/30 fps) Max Resolution 2560x1440 Video Bit Rate H.265/H.264: 3 kbps–20480 kbps Bitrate Control Multi Streaming CBR/VBR (Controllable frame rate and Bandwidth) Digital Noise Reduction 3D-DNR Privacy Mask 24 programmable zones Region of Interest (Rol) Yes Other Image Processing Configurable Exposure, White Balance, Sharpness Image Orientation Flip / Mirror / Corridor Mode EDGE STORAGE Storage Micro SD card (512 GB);FTP/SFTP; NAS) card not included) AUDIO Audio Streaming Two Way Audio Compression G.711,G.722	Angle of View	H: 60.2°-2.7°; V: 34°-1.5°; D: 68°-3°
Wide Dynamic Range Noise Reduction 2D; 3D 5/N Ratio 50 dB IR Range 250m VIDEO Video Compression H.264H; H.264B; Smart H.265+; H.264; H.265; MJPEG (Sub Stream1); Smart H.264+ Image Stabilization Electronic Image Stabilization (EIS) Multiple Profile Streaming Performance Sub stream : D1/VGA/CIF@ (1–25/30 fps) Sub stream 2: 1080p/1.3M/720p @(1–25/30 fps) Sub stream 2: 1080p/1.3M/720p @(1–25/30 fps) Max Resolution 2560x1440 Video Bit Rate H.265/H.264: 3 kbps-20480 kbps Bitrate Control Multi Streaming CBR/VBR (Controllable frame rate and Bandwidth) Digital Noise Reduction Digital Noise Reduction Privacy Mask 24 programmable zones Region of Interest (Rol) Ves Other Image Processing Configurable Exposure, White Balance, Sharpness Image Orientation EDGE STORAGE Storage Micro SD card (512 GB);FTP/SFTP; NAS) card not included) AUDIO Audio Streaming Two Way Audio Compression G.711,G.722	Shutter Time	Auto / Manual: 1/1 ~ 1/30,000, Anti-Flicker
Noise Reduction 2D; 3D S/N Ratio 50 dB IR Range 250m VIDEO Video Compression H.264H; H.264B; Smart H.265+; H.264; H.265; MJPEG (Sub Stream1); Smart H.264+ Image Stabilization Electronic Image Stabilization (EIS) Multiple Profile Streaming Main stream: 4M/1080p/1.3M/720p @(1–25/30 fps) Sub stream 1: D1/VGA/CIF@ (1–25/30 fps) Sub stream 2: 1080p/1.3M/720p @(1–25/30 fps) Max Resolution 2560x1440 Video Bit Rate H.265/H.264: 3 kbps-20480 kbps Bitrate Control Multi Streaming CBR/VBR (Controllable frame rate and Bandwidth) Digital Noise Reduction 3D-DNR Privacy Mask 24 programmable zones Region of Interest (Rol) Yes Other Image Processing Configurable Exposure, White Balance, Sharpness Image Orientation Flip / Mirror / Corridor Mode EDGE STORAGE Storage Micro SD card (512 GB);FTP/SFTP; NAS) card not included) AUDIO Audio Streaming Two Way Audio Compression G.711,G.722	Day & Night	Auto (ICR)/Color/B/W
S/N Ratio 50 dB IR Range 250m VIDEO Video Compression H.264H; H.264B; Smart H.265+; H.264; H.265; MJPEG (Sub Stream1); Smart H.264+ Image Stabilization Electronic Image Stabilization (EIS) Multiple Profile Streaming Main stream: 4M/1080p/1.3M/720p @(1–25/30 fps) Sub stream 1: D1/VGA/CIF@ (1–25/30 fps) Sub stream 2: 1080p/1.3M/720p @(1–25/30 fps) Max Resolution 2560x1440 Video Bit Rate H.265/H.264: 3 kbps-20480 kbps Bitrate Control Multi Streaming CBR/VBR (Controllable frame rate and Bandwidth) Digital Noise Reduction 3D-DNR Privacy Mask 24 programmable zones Region of Interest (Rol) Yes Other Image Processing Configurable Exposure, White Balance, Sharpness Image Orientation Flip / Mirror / Corridor Mode EDGE STORAGE Storage Micro SD card (512 GB);FTP/SFTP; NAS) card not included) AUDIO Audio Streaming Two Way Audio Compression G.711,G.722	Wide Dynamic Range	120 dB
IR Range 250m VIDEO Video Compression H.264H; H.264B; Smart H.265+; H.264; H.265; MJPEG (Sub Stream1); Smart H.264+ Image Stabilization Electronic Image Stabilization (EIS) Multiple Profile Streaming Main stream: 4M/1080p/1.3M/720p @(1–25/30 fps) Performance Sub stream 1: D1/VGA/CIF@ (1–25/30 fps) Sub stream 2: 1080p/1.3M/720p @(1–25/30 fps) Max Resolution 2560x1440 Video Bit Rate H.265/H.264: 3 kbps-20480 kbps Bitrate Control Multi Streaming CBR/VBR (Controllable frame rate and Bandwidth) Digital Noise Reduction 3D-DNR Privacy Mask 24 programmable zones Region of Interest (Rol) Yes Other Image Processing Configurable Exposure, White Balance, Sharpness Image Orientation Flip / Mirror / Corridor Mode EDGE STORAGE Storage Micro SD card (512 GB);FTP/SFTP; NAS) card not included) AUDIO Audio Streaming Two Way Audio Compression G.711,G.722	Noise Reduction	2D; 3D
VIDEO Video Compression Video Compression Video Compression H.264H; H.264B; Smart H.265+; H.264; H.265; MJPEG (Sub Stream1); Smart H.264+ Image Stabilization Multiple Profile Streaming Performance Sub stream: 4M/1080p/1.3M/720p @(1–25/30 fps) Sub stream 1: D1/VGA/CIF@ (1–25/30 fps) Sub stream 2: 1080p/1.3M/720p @(1–25/30 fps) Max Resolution 2560x1440 Video Bit Rate H.265/H.264: 3 kbps-20480 kbps Bitrate Control Multi Streaming CBR/VBR (Controllable frame rate and Bandwidth) Digital Noise Reduction JD-DNR Privacy Mask 24 programmable zones Region of Interest (Rol) Ves Other Image Processing Configurable Exposure, White Balance, Sharpness Image Orientation EDGE STORAGE Storage Micro SD card (512 GB);FTP/SFTP; NAS) card not included) AUDIO Audio Streaming Two Way Audio Compression G.711,G.722	S/N Ratio	50 dB
Video Compression H.264H; H.264B; Smart H.265+; H.264; H.265; MJPEG (Sub Stream1); Smart H.264+ Image Stabilization Electronic Image Stabilization (EIS) Multiple Profile Streaming Performance Sub stream 1: D1/VGA/CIF@ (1–25/30 fps) Sub stream 2: 1080p/1.3M/720p @(1–25/30 fps) Sub stream 2: 1080p/1.3M/720p @(1–25/30 fps) Max Resolution 2560x1440 Video Bit Rate H.265/H.264: 3 kbps-20480 kbps Bitrate Control Multi Streaming CBR/VBR (Controllable frame rate and Bandwidth) Digital Noise Reduction Digital Noise Reduction Privacy Mask 24 programmable zones Region of Interest (Rol) Other Image Processing Configurable Exposure, White Balance, Sharpness Image Orientation EDGE STORAGE Micro SD card (512 GB);FTP/SFTP; NAS) card not included) AUDIO Audio Streaming Two Way Audio Compression Trow Way Audio Compression	IR Range	250m
(Sub Stream1); Smart H.264+ Image Stabilization Electronic Image Stabilization (EIS) Multiple Profile Streaming Main stream: 4M/1080p/1.3M/720p @(1–25/30 fps) Performance Sub stream 1: D1/VGA/CIF@ (1–25/30 fps) Max Resolution 2560x1440 Video Bit Rate H.265/H.264: 3 kbps-20480 kbps Bitrate Control Multi Streaming CBR/VBR (Controllable frame rate and Bandwidth) Digital Noise Reduction 3D-DNR Privacy Mask 24 programmable zones Region of Interest (Rol) Yes Other Image Processing Configurable Exposure, White Balance, Sharpness Image Orientation Flip / Mirror / Corridor Mode EDGE STORAGE Micro SD card (512 GB);FTP/SFTP; NAS) card not included) AUDIO Audio Streaming Two Way Audio Compression G.711,G.722	VIDEO	
Image Stabilization Electronic Image Stabilization (EIS) Multiple Profile Streaming Main stream: 4M/1080p/1.3M/720p @(1-25/30 fps) Performance Sub stream 1: D1/VGA/CIF@ (1-25/30 fps) Sub stream 2: 1080p/1.3M/720p @(1-25/30 fps) Max Resolution 2560x1440 Video Bit Rate H.265/H.264: 3 kbps-20480 kbps Bitrate Control Multi Streaming CBR/VBR (Controllable frame rate and Bandwidth) Digital Noise Reduction 3D-DNR Privacy Mask 24 programmable zones Region of Interest (Rol) Yes Other Image Processing Configurable Exposure, White Balance, Sharpness Image Orientation Flip / Mirror / Corridor Mode EDGE STORAGE Storage Micro SD card (512 GB);FTP/SFTP; NAS) card not included) AUDIO Audio Streaming Two Way Audio Compression G.711,G.722	Video Compression	H.264H; H.264B; Smart H.265+; H.264; H.265; MJPEG
Multiple Profile Streaming Main stream: 4M/1080p/1.3M/720p @(1–25/30 fps) Performance Sub stream 1: D1/VGA/CIF@ (1–25/30 fps) Sub stream 2: 1080p/1.3M/720p @(1–25/30 fps) Max Resolution 2560x1440 Video Bit Rate H.265/H.264: 3 kbps–20480 kbps Bitrate Control Multi Streaming CBR/VBR (Controllable frame rate and Bandwidth) Digital Noise Reduction 3D-DNR Privacy Mask 24 programmable zones Region of Interest (RoI) Ves Other Image Processing Image Orientation Flip / Mirror / Corridor Mode EDGE STORAGE Storage Micro SD card (512 GB);FTP/SFTP; NAS) card not included) AUDIO Audio Streaming Two Way Audio Compression Typic Main Streaming Two Way Audio Compression Flip / Mirror / Corridor Mode Flip		(Sub Stream1); Smart H.264+
Performance Sub stream 1: D1/VGA/CIF@ (1-25/30 fps) Sub stream 2: 1080p/1.3M/720p @(1-25/30 fps) Max Resolution 2560x1440 Video Bit Rate H.265/H.264: 3 kbps-20480 kbps Bitrate Control Multi Streaming CBR/VBR (Controllable frame rate and Bandwidth) Digital Noise Reduction 3D-DNR Privacy Mask 24 programmable zones Region of Interest (Rol) Ves Other Image Processing Image Orientation Flip / Mirror / Corridor Mode EDGE STORAGE Storage Micro SD card (512 GB);FTP/SFTP; NAS) card not included) AUDIO Audio Streaming Two Way Audio Compression G.711,G.722	Image Stabilization	Electronic Image Stabilization (EIS)
Sub stream 2: 1080p/1.3M/720p @(1–25/30 fps) Max Resolution 2560x1440 Video Bit Rate H.265/H.264: 3 kbps–20480 kbps Bitrate Control Multi Streaming CBR/VBR (Controllable frame rate and Bandwidth) Digital Noise Reduction 3D-DNR Privacy Mask 24 programmable zones Region of Interest (Rol) Yes Other Image Processing Configurable Exposure, White Balance, Sharpness Image Orientation Flip / Mirror / Corridor Mode EDGE STORAGE Storage Micro SD card (512 GB);FTP/SFTP; NAS) card not included) AUDIO Audio Streaming Two Way Audio Compression G.711,G.722	Multiple Profile Streaming	Main stream: 4M/1080p/1.3M/720p @(1-25/30 fps)
Max Resolution 2560x1440 Video Bit Rate H.265/H.264: 3 kbps-20480 kbps Bitrate Control Multi Streaming CBR/VBR (Controllable frame rate and Bandwidth) Digital Noise Reduction 3D-DNR Privacy Mask 24 programmable zones Region of Interest (Rol) Yes Other Image Processing Configurable Exposure, White Balance, Sharpness Image Orientation Flip / Mirror / Corridor Mode EDGE STORAGE Storage Micro SD card (512 GB);FTP/SFTP; NAS) card not included) AUDIO Audio Streaming Two Way Audio Compression G.711,G.722	Performance	Sub stream 1: D1/VGA/CIF@ (1-25/30 fps)
Video Bit Rate H.265/H.264: 3 kbps-20480 kbps Bitrate Control Multi Streaming CBR/VBR (Controllable frame rate and Bandwidth) Digital Noise Reduction 3D-DNR Privacy Mask 24 programmable zones Region of Interest (Rol) Yes Other Image Processing Configurable Exposure, White Balance, Sharpness Image Orientation Flip / Mirror / Corridor Mode EDGE STORAGE Storage Micro SD card (512 GB);FTP/SFTP; NAS) card not included) AUDIO Audio Streaming Two Way Audio Compression G.711,G.722		Sub stream 2: 1080p/1.3M/720p @(1-25/30 fps)
Bitrate Control Multi Streaming CBR/VBR (Controllable frame rate and Bandwidth) Digital Noise Reduction Privacy Mask Region of Interest (Rol) Other Image Processing Image Orientation Flip / Mirror / Corridor Mode EDGE STORAGE Storage Micro SD card (512 GB);FTP/SFTP; NAS) card not included) AUDIO Audio Streaming Two Way Audio Compression Multi Streaming CBR/VBR (Controllable Frame rate and Bandwidth) Yes Configurable Exposure, White Balance, Sharpness Flip / Mirror / Corridor Mode EDGE STORAGE Storage Micro SD card (512 GB);FTP/SFTP; NAS) card not included) AUDIO Audio Streaming Two Way Audio Compression G.711,G.722	Max Resolution	2560x1440
(Controllable frame rate and Bandwidth) Digital Noise Reduction 3D-DNR Privacy Mask 24 programmable zones Region of Interest (Rol) Yes Other Image Processing Configurable Exposure, White Balance, Sharpness Image Orientation Flip / Mirror / Corridor Mode EDGE STORAGE Storage Micro SD card (512 GB);FTP/SFTP; NAS) card not included) AUDIO Audio Streaming Two Way Audio Compression G.711,G.722	Video Bit Rate	H.265/H.264: 3 kbps-20480 kbps
Digital Noise Reduction 3D-DNR Privacy Mask 24 programmable zones Region of Interest (RoI) Yes Other Image Processing Configurable Exposure, White Balance, Sharpness Image Orientation Flip / Mirror / Corridor Mode EDGE STORAGE Storage Micro SD card (512 GB);FTP/SFTP; NAS) card not included) AUDIO Audio Streaming Two Way Audio Compression G.711,G.722	Bitrate Control	Multi Streaming CBR/VBR
Privacy Mask 24 programmable zones Region of Interest (RoI) Yes Other Image Processing Configurable Exposure, White Balance, Sharpness Image Orientation Flip / Mirror / Corridor Mode EDGE STORAGE Storage Micro SD card (512 GB);FTP/SFTP; NAS) card not included) AUDIO Audio Streaming Two Way Audio Compression G.711,G.722		(Controllable frame rate and Bandwidth)
Region of Interest (Rol) Other Image Processing Image Orientation EDGE STORAGE Micro SD card (512 GB);FTP/SFTP; NAS) card not included) AUDIO Audio Streaming Audio Compression Two Way Audio Compression Yes Configurable Exposure, White Balance, Sharpness Flip / Mirror / Corridor Mode EDGE STORAGE Micro SD card (512 GB);FTP/SFTP; NAS) card not included) AUDIO Audio Streaming Two Way Audio Compression G.711,G.722	Digital Noise Reduction	3D-DNR
Other Image Processing Configurable Exposure, White Balance, Sharpness Image Orientation Flip / Mirror / Corridor Mode EDGE STORAGE Storage Micro SD card (512 GB);FTP/SFTP; NAS) card not included) AUDIO Audio Streaming Two Way Audio Compression G.711,G.722	Privacy Mask	24 programmable zones
Image Orientation Flip / Mirror / Corridor Mode EDGE STORAGE Storage Micro SD card (512 GB);FTP/SFTP; NAS) card not included) AUDIO Audio Streaming Two Way Audio Compression G.711,G.722	Region of Interest (RoI)	Yes
EDGE STORAGE Storage Micro SD card (512 GB);FTP/SFTP; NAS) card not included) AUDIO Audio Streaming Two Way Audio Compression G.711,G.722	Other Image Processing	Configurable Exposure, White Balance, Sharpness
Storage Micro SD card (512 GB);FTP/SFTP; NAS) card not included) AUDIO Audio Streaming Two Way Audio Compression G.711,G.722	Image Orientation	Flip / Mirror / Corridor Mode
AUDIO Audio Streaming Two Way Audio Compression G.711,G.722	EDGE STORAGE	
Audio Streaming Two Way Audio Compression G.711,G.722	Storage	Micro SD card (512 GB);FTP/SFTP; NAS) card not included)
Audio Compression G.711,G.722	AUDIO	
· ·	Audio Streaming	Two Way
Audio input / output 1/1	Audio Compression	G.711,G.722
	Audio input / output	1/1

EVENT	
	Marking Alassa Tarabarting (harrangian data ating andi-
Event Trigger	Motion Alarm, TemMotion/tampering detection; audio
	detection; network
	disconnection detection; IP conflict detection; memory
	card state detection; memory space detectionperature
Doe Doet Doeselle	critical, DI
Pre-Post Recording	Pre: 1~5 sec
	Post: 1~240 sec
Event Notification	FTP, E-mail, Alarm-out, SD card
NETWORK	
Ethernet Standard	10 / 100 / 1000Base-T
IP	IPv4
	FTP; RTMP; IPv6; Bonjour; IPv4; DNS; RTCP; PPPoE; NTP;
Protocol	RTP; 802.1x; HTTPS; SNMP; TCP/IP; DDNS; UPnP; NFS;
	ICMP; UDP; IGMP; HTTP; SSL; DHCP; SMTP; Qos; RTSP;
	ARP
Security	HTTPS(SSL), IP filtering, 802.1x, Digest Authentication
Plug In	ONVIF Profile S,G,T, CGI P2P
PTZ	
	Pan: 0° to 360° endless
_ /	
Pan / Tilt Range Pan	Tilt: -20° to +90°, auto flip 180°
Pan/Tilt Speed	Pan: 0.1°/s-350°/s; Tilt: 0.1°/s-250°/s
Pan/Tilt Speed Number of Preset	Pan: 0.1°/s-350°/s; Tilt: 0.1°/s-250°/s 300 preset points
Pan/Tilt Speed Number of Preset Power Off Memory	Pan: 0.1°/s-350°/s; Tilt: 0.1°/s-250°/s
Pan/Tilt Speed Number of Preset Power Off Memory GENERAL	Pan: 0.1°/s–350°/s; Tilt: 0.1°/s–250°/s 300 preset points Yes
Pan/Tilt Speed Number of Preset Power Off Memory GENERAL Material	Pan: 0.1°/s–350°/s; Tilt: 0.1°/s–250°/s 300 preset points Yes Aluminum Die-casting, White
Pan/Tilt Speed Number of Preset Power Off Memory GENERAL	Pan: 0.1°/s-350°/s; Tilt: 0.1°/s-250°/s 300 preset points Yes Aluminum Die-casting, White 1 x Alarm In / 1 x Alarm Out
Pan/Tilt Speed Number of Preset Power Off Memory GENERAL Material External I/O Terminals	Pan: 0.1°/s-350°/s; Tilt: 0.1°/s-250°/s 300 preset points Yes Aluminum Die-casting, White 1 x Alarm In / 1 x Alarm Out IP67
Pan/Tilt Speed Number of Preset Power Off Memory GENERAL Material External I/O Terminals Housing Environmental Rating	Pan: 0.1°/s-350°/s; Tilt: 0.1°/s-250°/s 300 preset points Yes Aluminum Die-casting, White 1 x Alarm In / 1 x Alarm Out IP67
Pan/Tilt Speed Number of Preset Power Off Memory GENERAL Material External I/O Terminals Housing Environmental Rating Housing Impact Rating	Pan: 0.1°/s-350°/s; Tilt: 0.1°/s-250°/s 300 preset points Yes Aluminum Die-casting, White 1 x Alarm In / 1 x Alarm Out IP67 IK10
Pan/Tilt Speed Number of Preset Power Off Memory GENERAL Material External I/O Terminals Housing Environmental Rating Housing Impact Rating Language on webpage	Pan: 0.1°/s-350°/s; Tilt: 0.1°/s-250°/s 300 preset points Yes Aluminum Die-casting, White 1 x Alarm In / 1 x Alarm Out IP67 IK10 English
Pan/Tilt Speed Number of Preset Power Off Memory GENERAL Material External I/O Terminals Housing Environmental Rating Housing Impact Rating	Pan: 0.1°/s–350°/s; Tilt: 0.1°/s–250°/s 300 preset points Yes Aluminum Die-casting, White 1 x Alarm In / 1 x Alarm Out IP67 IK10 English 24 VAC/2.5 A ± 25% (Included)
Pan/Tilt Speed Number of Preset Power Off Memory GENERAL Material External I/O Terminals Housing Environmental Rating Housing Impact Rating Language on webpage	Pan: 0.1°/s–350°/s; Tilt: 0.1°/s–250°/s 300 preset points Yes Aluminum Die-casting, White 1 x Alarm In / 1 x Alarm Out IP67 IK10 English 24 VAC/2.5 A ± 25% (Included) PoE+ (802.3at)
Pan/Tilt Speed Number of Preset Power Off Memory GENERAL Material External I/O Terminals Housing Environmental Rating Housing Impact Rating Language on webpage	Pan: 0.1°/s–350°/s; Tilt: 0.1°/s–250°/s 300 preset points Yes Aluminum Die-casting, White 1 x Alarm In / 1 x Alarm Out IP67 IK10 English 24 VAC/2.5 A ± 25% (Included) PoE+ (802.3at) Basic: 15 W
Pan/Tilt Speed Number of Preset Power Off Memory GENERAL Material External I/O Terminals Housing Environmental Rating Housing Impact Rating Language on webpage Power Source	Pan: 0.1°/s-350°/s; Tilt: 0.1°/s-250°/s 300 preset points Yes Aluminum Die-casting, White 1 x Alarm In / 1 x Alarm Out IP67 IK10 English 24 VAC/2.5 A ± 25% (Included) PoE+ (802.3at) Basic: 15 W Max: 29.5 W
Pan/Tilt Speed Number of Preset Power Off Memory GENERAL Material External I/O Terminals Housing Environmental Rating Housing Impact Rating Language on webpage Power Source	Pan: 0.1°/s-350°/s; Tilt: 0.1°/s-250°/s 300 preset points Yes Aluminum Die-casting, White 1 x Alarm In / 1 x Alarm Out IP67 IK10 English 24 VAC/2.5 A ± 25% (Included) PoE+ (802.3at) Basic: 15 W Max: 29.5 W Humidity 10 ~ 90% RH (non-condensing)
Pan/Tilt Speed Number of Preset Power Off Memory GENERAL Material External I/O Terminals Housing Environmental Rating Housing Impact Rating Language on webpage Power Source Power Consumption Operating Conditions	Pan: 0.1°/s-350°/s; Tilt: 0.1°/s-250°/s 300 preset points Yes Aluminum Die-casting, White 1 x Alarm In / 1 x Alarm Out 1P67 IK10 English 24 VAC/2.5 A ± 25% (Included) PoE+ (802.3at) Basic: 15 W Max: 29.5 W Humidity 10 ~ 90% RH (non-condensing) [AC24V / PoE] -40°C ~ 60°C (-40°F ~ 140°F)
Pan/Tilt Speed Number of Preset Power Off Memory GENERAL Material External I/O Terminals Housing Environmental Rating Housing Impact Rating Language on webpage Power Source Power Consumption Operating Conditions Approvals	Pan: 0.1°/s-350°/s; Tilt: 0.1°/s-250°/s 300 preset points Yes Aluminum Die-casting, White 1 x Alarm In / 1 x Alarm Out IP67 IK10 English 24 VAC/2.5 A ± 25% (Included) PoE+ (802.3at) Basic: 15 W Max: 29.5 W Humidity 10 ~ 90% RH (non-condensing)
Pan/Tilt Speed Number of Preset Power Off Memory GENERAL Material External I/O Terminals Housing Environmental Rating Housing Impact Rating Language on webpage Power Source Power Consumption Operating Conditions	Pan: 0.1°/s-350°/s; Tilt: 0.1°/s-250°/s 300 preset points Yes Aluminum Die-casting, White 1 x Alarm In / 1 x Alarm Out 1P67 IK10 English 24 VAC/2.5 A ± 25% (Included) PoE+ (802.3at) Basic: 15 W Max: 29.5 W Humidity 10 ~ 90% RH (non-condensing) [AC24V / PoE] -40°C ~ 60°C (-40°F ~ 140°F)



EVOKING TRUST

Dimensions



ACCESSORIES



W-WMB-4500T



W-CMB-4500T