

MIC-7502-Z30B

Imager	1/2.8-type Exmor R CMOS sensor
Effective Picture Elements (Pixels)	1945 x 1097 (2.13 MP)
Lens	30x motorized Zoom 4.3 mm to 129 mm F1.6 to F4.7
Field of View (FOV)	2.3° to 63.7°
Focus	Automatic with manual override
Iris	Automatic with manual override
Digital Zoom	12x
Video performance – Sensitivity (3100K, reflectivity 89%, 1/30, F1.6, 30 IRE)	
Color	0.0077 lx
Monochrome	0.0008 lx
Gain control	AGC, Fixed
Aperture Correction	Horizontal and vertical
Electronic Shutter Speed (AES)	1/1 sec to 1/10000 sec (22 steps)
Signal-to-Noise Ratio (SNR)	>55 dB
Day/Night switch	Automatic IR cut filter
Backlight compensation (BLC)	On, Off
White balance	2000 K to 10,000 K ATW, AWB Hold, Extended ATW, Manual, Sodium Lamp Auto, Sodium Lamp
Day/Night	Monochrome, Color, Auto
Defog mode feature	Improves visibility when viewing foggy or other low-contrast scenes.
High dynamic range (HDR)	
25/30 fps	120 dB
50/60 fps	90 dB
Drive Unit	Brushless, integral pan/tilt motor drive
Supported mounting orientation	Upright Inverted Canted
Pan Range	360° continuous rotation
Tilt Angle	Without illuminators (camera upright): 290° Without illuminators (Inverted): 250° With illuminators: 186.6°
Tilt Range	Upright/Inverted: -55° - +90° Canted: -90° - +90°
Variable Pan Speed	0.2°/second - 120°/second
Variable Tilt Speed	0.2°/second - 90°/second
Intelligent Tracking Speed	>0.2°/second (minimum)
Pre-position Speed	120°/second
Preposition Accuracy	Without illuminators: +/-0.06° With illuminators: +/-0.07°
Proportional Pan / Tilt to Zoom	Yes
Audible Noise	<65 dB
Input Voltage	21-30 VAC, 50/60 Hz and/or Ethernet High PoE cable connection (56 VDC)
Standard/Video compression	H.265, H.264 (ISO/IEC 14496), M-JPEG, JPEG
Streaming	Independent H.264 and H.265 streams 3 encoder instances of H.264 or H.265 stream
Supported Streams	SD720p 1080p D1 4:3 (cropped) 640x480 1280x1024 (cropped)
Resolution (H x V)	
1080p HD	1920 x 1080
720p HD	1280 x 720
432p SD	768 x 432

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288p SD	512 x 288
144p SD	256 x 144
Protocols	IPv4, IPv6, UDP, TCP, HTTP, HTTPS, RTP/RTCP, IGMP V2/V3, ICMP, ICMPv6, RTSP, FTP, Telnet, ARP, DHCP, APIPA (Auto-IP, link local address), NTP (SNTP), 802.1x, DNS, DNSv6, DDNS (Dyn.com, selfHOST.de, no-ip.com), SMTP, iSCSI, UPnP (SSDP), DiffServ (QoS), LLDP, SOAP, Dropbox™, CHAP, digest authentication
Ethernet	10BASE-T/100BASE-TX, auto-sensing, half/full duplex
Encryption	TLS 1.0, SSL, DES, 3DES, AES
Ethernet connector	RJ45
GOP Structure	IP, IBP, IBBP
Data Rate (H.265, 1080P)	61 kbps to 2.8 Mbps (depending on the scene, the frame rate, and the quality settings)
IP Delay (camera only)	30fps: 120ms 60fps: 67ms
Connectivity	ONVIF Profile S, ONVIF Profile G, ONVIF Profile Q, Auto-MDIX, NTCIP (Note: For NTCIP, a separate license (MVS-FNTCIP) is required.)
Sectors / Title	16 independent sectors with 20 characters per title
Privacy Masks	24 individually configurable privacy masks
Virtual Masks	24 individually configurable masks to hide parts of the scene (background motion such as moving trees, pulsating lights, busy roads, etc.) which should not be considered for flow analysis to trigger Intelligent Tracking.
Prepositions	256, each with 20 characters per title
Guard Tours	Two (2) types of tours: Recorded tours - two (2), maximum total duration 30 minutes (depending on amount of commands sent during recording) Preset tour - one (1), consisting of up to 256 scenes consecutively, and (1) customized up to 64 scenes
Supported Languages	English, Czech*, Dutch, French, German, Italian, Polish, Portuguese, Russian*, Spanish, Japanese, Chinese * Available with separate language upload
Power, Network	Without illuminator: RJ45 100BASE-TX Ethernet High PoE Midspan - 60 W (NPD-6001A) or 95 W (NPD-9501A) With illuminator: 95 W High PoE Midspan (NPD-9501A)*
Power, Camera	24 VAC (power supply)
Video and Control	RJ45 100BASE-TX Ethernet RS-485 Simplex 9600 baud (dedicated for MIC-ALM-WAS-24)
Alarm/Washer	3-wire RS-485
* Must purchase either NPD-9501A or VIDEOJET connect 7000 (VJC-7000-90) in order to use the High PoE solution.	
Ingress Protection Rating/Standard	IP68 / NEMA 6P (dust and immersion) when installed on a MIC-DCA or on a MIC wall mount IP67 (moisture and dust) rating on connectors in the base of the camera when using the IP67 Connector Kit (MIC-IP67-5PK), which is also required when using non-Bosch mounts
External Mechanical Impact (IK Code or Impact rating)	IK 10 (excluding glass window)

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Operating temperature	-40 °C to +65 °C (-40 °F to +149 °F)
Cold Start-up Temperature	-40 °C (-40 °F)(Requires 60-minute warm-up prior to PTZ operations.)
Storage Temperature	-60 °C to +70 °C (-76 °F to +158 °F)
Humidity	0-100%
Wind Load	241 km/h (150 mph) (sustained)(Gusts up to 290 km/h (180 mph)) Effective Projected Area (EPA): 0.044m ² (0.47 ft ²)
Vibration	IEC 60068-2-6, Test Fc: Vibration (sinusoidal), 20m/s ² (2.0g) Sinusoidal vibration test IAW MIL-STD-167-1A
Shock	IEC 60068-2-7, Test Ea: Shock, 40g, 6ms Half Sine Impulse Medium weight Hammer Shock IAW MIL-S-901D
Dimensions(W x H x D)	Without illuminator accessory or sunshield: Upright, Inverted: 217.75 mm x 368.89 mm x 178.33 mm (8.57 in. x 14.52 in. x 7.02 in.) Canted: 217.75 mm x 330.96 mm x 239.68 mm (8.57 in. x 13.03 in. x 9.44 in.) Without illuminator accessory, but with sunshield: Upright, Inverted: 217.75 mm x 372.20 mm x 178.33 mm (8.57 in. x 14.65 in. x 7.02 in.) Canted: 217.75 mm x 334.27 mm x 239.68 mm (8.57 in. x 13.16 in. x 9.44 in.) With illuminator accessory: Upright, Inverted: 217.75 mm x 439.91 mm x 178.33 mm (8.57 in. x 17.32 in. x 7.02 in.) Canted: 217.75 mm x 401.98 mm x 239.68 mm (8.57 in. x 15.83 in. x 9.44 in.)
Weight	6.7 kg (14.7 lb) 7.9 kg (17.4 lb) with attached illuminator
Window	Tempered flat glass
Construction Material	Cast solid aluminum
Window Wiper	Standard, long-life silicone wiper
Sunshield (to prevent sun load in hot climates)	Optional; sold separately
Canting	On-site canting functionality
Color	Black (RAL 9005)
Standard Finish	Corrosion protection surface treatment with powder coat paint, sand finish



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