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Технические характеристики

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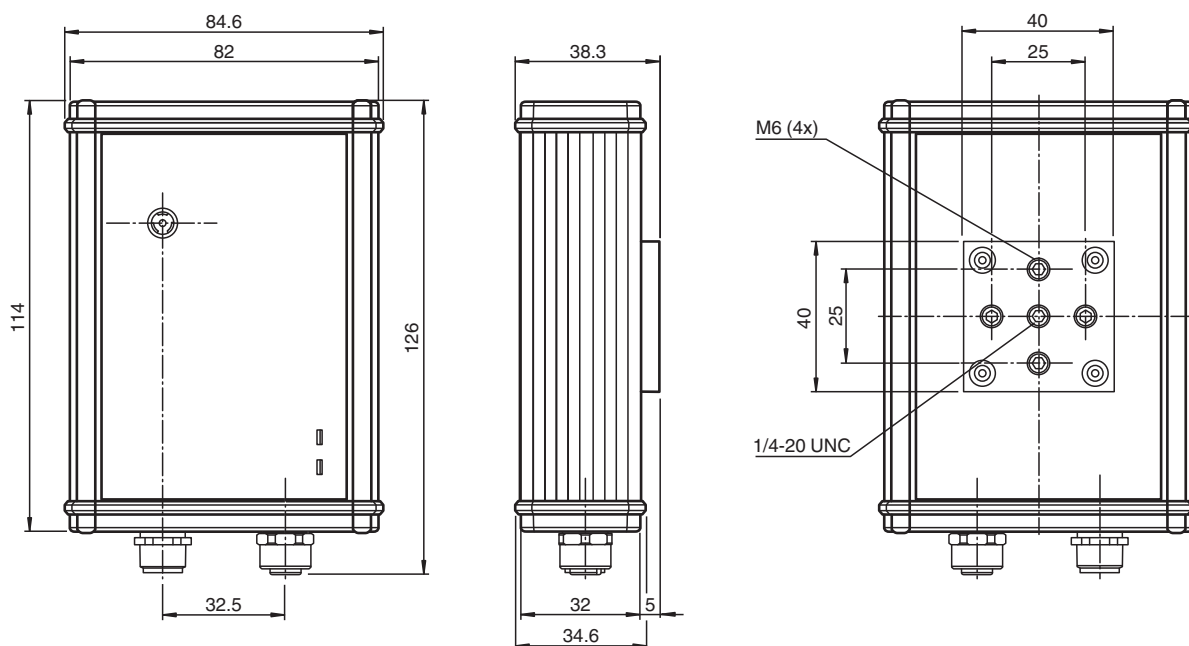
Industrial Event Camera VOC10M-F256-B12-V1D-CR03

- Web interface for easy access to video files and live streams
- Video ring buffer with a pre-run buffer for automatic recording of video up to 60 seconds before and after a situation that requires fault analysis or documentation
- Trigger video/image capture via UDP, REST API, or a digital hardware input for easy integration
- Find situations of interest quickly due to timestamped events
- REST API for full HMI integration of all camera functions

Event camera for recording video sequences with Livestream function; mounting distance: 0.05 m to infinite; internal video ring buffer with a pre-run buffer for recording an event up to 60 seconds before and after a trigger event; trigger video/image capture via UDP, HTTP REST API, or a digital hardware input



Dimensions



Technical Data

General specifications

Depth of focus	0.05 m ... infinite
Field of view	see table
Horizontal angle of view	62.2 °
Vertical angle of view	48.8 °
Filter	IR-filter

Nominal ratings

Camera	
Type	CMOS

Technical Data

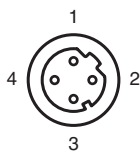
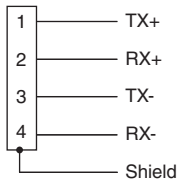
Shutter		Rolling shutter
Image resolution		resolution: 1280 x 720 (HD), 1024 x 576, 960 x 540, 800 x 450, 640 x 360
Hardware		
Camera		Motorized focus (adjustable via software)
Memory		
Type/Size		storage capacity of events , up to 10000 events
Non-volatile memory		8 GByte microSD card, industrial, class 10 U1
Electrical specifications		
Operating voltage	U _B	18 ... 28 V DC
Current consumption		max. 200 mA (no heater) max. 700 mA (with heater)
Interface		
Interface type		10 BASE-T/100 BASE-TX
Protocol		TCP/IP , HTTP , FTP , RTSP
Transfer rate		10 MBit/s / 100 MBit/s
IP address		DHCP activated , Fall back IP (192.168.100.50)
Input		
Signal voltage		
High		16 ... 32 V DC
Low		0 ... 5 V DC
Input current		max. 7 mA
Trigger input		positive edge
Pulse duration		min. 20 ms
Input filter		min. 1.5 ms
Directive conformity		
Electromagnetic compatibility		EN 61326-1:2013
Radio equipment		
Directive 2014/53/EU		ETSI EN 300330 V2.1.1
Playback formats		
Video		Video Livestream: - Codec/Container: MJPEG - frame rate: 24 fps - resolution: 1280 x 720 (HD), 1024 x 576, 960 x 540, 800 x 450, 640 x 360 RTSP stream 1: - Codec/Container: H264/RTSP - frame rate: 3 fps - resolution: 1280 x 720 (HD), 1024 x 576, 960 x 540, 800 x 450, 640 x 360 RTSP stream 2: - Codec/Container: H264/RTSP - frame rate: 3 fps - resolution: 640 x 360 Video Recording: - Codec/Container: H264/MP4, adjustable quality - frame rate: 24 fps - resolution: 1920 x 1080 (Full HD), 1280 x 720 (HD), 1024 x 576, 960 x 540, 800 x 450, 640 x 360
Ambient conditions		
Operating temperature		-30 ... 50 °C (-22 ... 122 °F)
Storage temperature		-30 ... 50 °C (-22 ... 122 °F)
Relative humidity		non-condensing
Mechanical specifications		
Housing width		85 mm
Housing height		114 mm
Housing depth		35 mm
Degree of protection		IP65
Connection		M12 x 1 connector, 4-pin, A-coded , unshielded (supply and digital input) M12 x 1 socket, 4-pin, D-coded , screened (Ethernet)
Material		
Housing		Aluminum (AlMgSi0.5)
Surface		black , powder coated

Technical Data

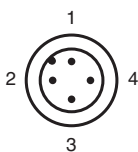
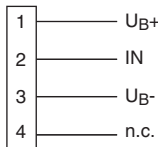
Observation window	glass, fully bonded	
Mass		0.3 kg
Mounting	4x M6 1x ¼-20 UNC	

Connection

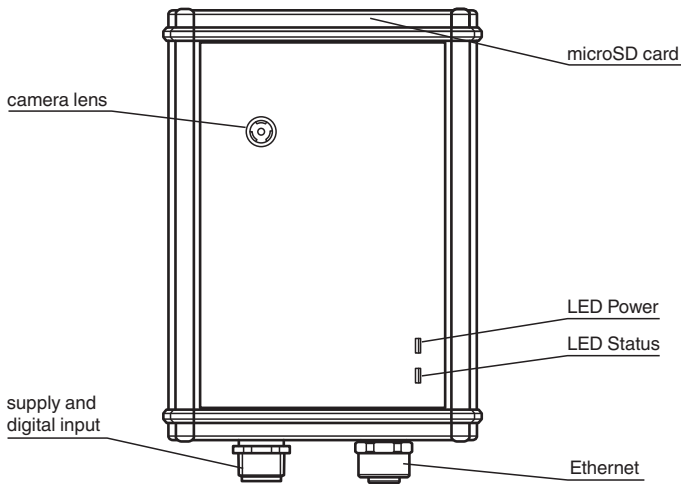
Ethernet



supply and digital Input



Assembly



Technical Features

Size of the Field of View

Distance	Orientation 0° / 180°	Orientation 90° / 270°
0.5 m	0.6 m x 0.3 m	0.5 m x 0.3 m
1.0 m	1.2 m x 0.7 m	0.9 m x 0.5 m
2.5 m	3.0 m x 1.7 m	2.3 m x 1.3 m
5.0 m	6.0 m x 3.4 m	4.5 m x 2.6 m
10.0 m	12.1 m x 6.8 m	9.1 m x 5.1 m

Accessories

	V1SD-G-GN2M-PUR-E1S-V45-G	Ethernet bus cable M12 plug straight D-coded to RJ45 Ethernet-coded, 4-pin, PUR cable green, Cat5e, shielded, drag chain suitable
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Accessories

	V1-G-2M-PUR	Female cordset single-ended M12 straight A-coded, 4-pin, PUR cable grey
	PCV-MB1	Mounting bracket for PCV* read head



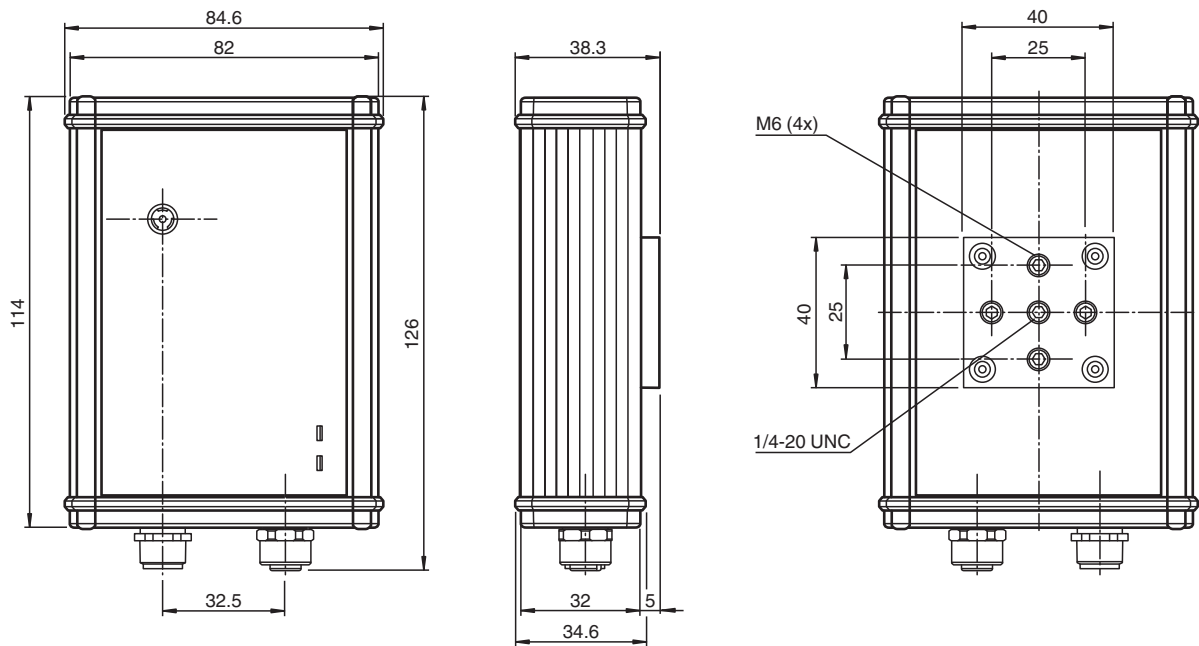
Industrial Event Camera VOC5M-F256-B12-V1D-CR02

- Web interface for easy access to video files and live streams
- Video ring buffer with a pre-run buffer for automatic recording of video up to 60 seconds before and after a situation that requires fault analysis or documentation
- Trigger video/image capture via UDP, REST API, or a digital hardware input for easy integration
- Find situations of interest quickly due to timestamped events
- REST API for full HMI integration of all camera functions

Event camera for recording video sequences with Livestream function; mounting distance: 0.05 m to infinite; internal video ring buffer with a pre-run buffer for recording an event up to 60 seconds before and after a trigger event; trigger video/image capture via UDP, HTTP REST API, or a digital hardware input



Dimensions



Technical Data

General specifications

Depth of focus	0.05 m ... infinite
Field of view	see table
Horizontal angle of view	108.4 °
Vertical angle of view	92.2 °
Filter	IR-filter

Nominal ratings

Camera	
Type	CMOS

Technical Data

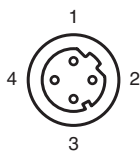
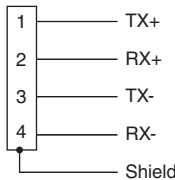
Shutter		Rolling shutter
Image resolution		resolution: 1280 x 720 (HD), 1024 x 576, 960 x 540, 800 x 450, 640 x 360
Hardware		
Camera		Motorized focus (adjustable via software)
Memory		
Type/Size		storage capacity of events , up to 10000 events
Non-volatile memory		8 GByte microSD card, industrial, class 10 U1
Electrical specifications		
Operating voltage	U _B	18 ... 28 V DC
Current consumption		max. 200 mA (no heater) max. 700 mA (with heater)
Interface		
Interface type		10 BASE-T/100 BASE-TX
Protocol		TCP/IP , HTTP , FTP , RTSP
Transfer rate		10 MBit/s / 100 MBit/s
IP address		DHCP activated , Fall back IP (192.168.100.50)
Input		
Signal voltage		
High		16 ... 32 V DC
Low		0 ... 5 V DC
Input current		max. 7 mA
Trigger input		positive edge
Pulse duration		min. 20 ms
Input filter		min. 1.5 ms
Directive conformity		
Electromagnetic compatibility		EN 61326-1:2013
Radio equipment		
Directive 2014/53/EU		ETSI EN 300330 V2.1.1
Playback formats		
Video		Video Livestream: - Codec/Container: MJPEG - frame rate: 24 fps - resolution: 1280 x 720 (HD), 1024 x 576, 960 x 540, 800 x 450, 640 x 360 RTSP stream 1: - Codec/Container: H264/RTSP - frame rate: 3 fps - resolution: 1280 x 720 (HD), 1024 x 576, 960 x 540, 800 x 450, 640 x 360 RTSP stream 2: - Codec/Container: H264/RTSP - frame rate: 3 fps - resolution: 640 x 360 Video Recording: - Codec/Container: H264/MP4, adjustable quality - frame rate: 24 fps - resolution: 1920 x 1080 (Full HD), 1280 x 720 (HD), 1024 x 576, 960 x 540, 800 x 450, 640 x 360
Ambient conditions		
Operating temperature		-30 ... 50 °C (-22 ... 122 °F)
Storage temperature		-30 ... 50 °C (-22 ... 122 °F)
Relative humidity		non-condensing
Mechanical specifications		
Housing width		85 mm
Housing height		114 mm
Housing depth		35 mm
Degree of protection		IP65
Connection		M12 x 1 connector, 4-pin, A-coded , unshielded (supply and digital input) M12 x 1 socket, 4-pin, D-coded , screened (Ethernet)
Material		
Housing		Aluminum (AlMgSi0.5)
Surface		black , powder coated

Technical Data

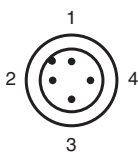
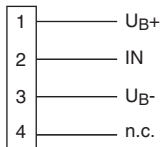
Observation window	glass, fully bonded	
Mass		0.3 kg
Mounting	4x M6 1x ¼-20 UNC	

Connection

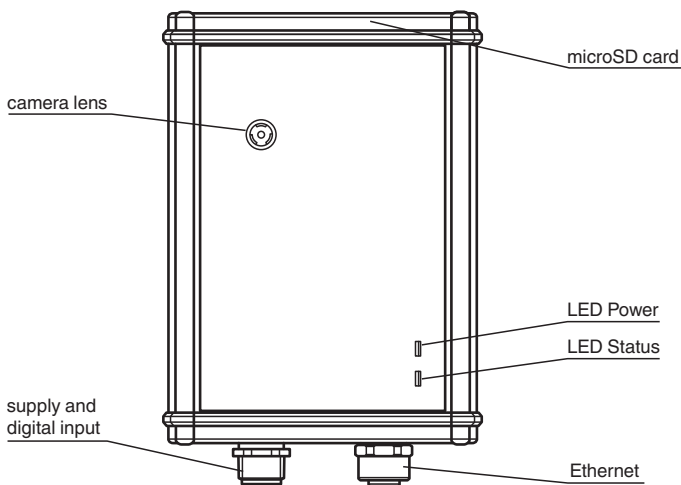
Ethernet



supply and digital Input



Assembly



Parameterization

Size of the Field of View

Distance	Orientation 0° / 180°	Orientation 90° / 270°
0.5 m	1.4 m x 0.8 m	1.0 m x 0.6 m
1.0 m	2.8 m x 1.6 m	2.1 m x 1.2 m
2.5 m	6.9 m x 3.9 m	5.2 m x 2.9 m
5.0 m	13.9 m x 7.8 m	10.4 m x 5.8 m

Accessories

	V1SD-G-GN2M-PUR-E1S-V45-G	Ethernet bus cable M12 plug straight D-coded to RJ45 Ethernet-coded, 4-pin, PUR cable green, Cat5e, shielded, drag chain suitable
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Accessories

	V1-G-2M-PUR	Female cordset single-ended M12 straight A-coded, 4-pin, PUR cable grey
	PCV-MB1	Mounting bracket for PCV* read head

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