

Industrial Event Camera

VOC12M-F356-B12-V1D-CR2A

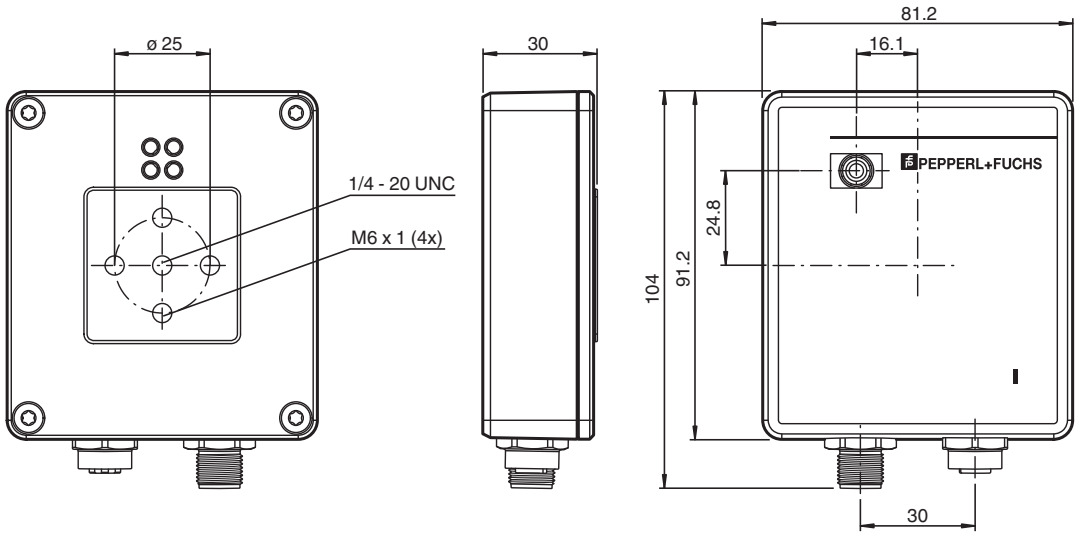
- Web interface for easy access to image and video files and livestream, including simultaneous display of up to 5 additional cameras
- Video ring buffer with a pre-run buffer for automatic recording of video up to 900 seconds before and after a situation that requires fault analysis or documentation
- Versatile recording triggering via UDP, REST API, hardware input, or automatically in response to motion, brightness changes, camera acceleration, or events from other cameras
- Find situations of interest quickly due to timestamped events
- REST API for full HMI integration of all camera functions
- Precise image control through digital zoom and targeted masking of irrelevant image areas

Event camera for recording video sequences with Livestream function.

Function

The industrial event camera enables efficient remote diagnostics and automatic documentation through event-controlled video recordings. In the event of a trigger signal, the device specifically saves a sequence that covers the period before and after the event, making it easier to quickly analyze the cause. Designed for harsh industrial environments, the camera uses this method to ensure lean data streams and can be installed flexibly thanks to its large field of view.

Dimensions



Technical Data

General specifications	
Depth of focus	0.1 m ... infinite
Field of view	see table
Focal length	2.75 mm
Aperture	F2.2
Horizontal angle of view	102 °
Vertical angle of view	67 °
Filter	IR-filter
Recording duration	900 s

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Technical Data

Nominal ratings		
Camera		
Type		CMOS
Chip size		7.4 mm diagonal
Shutter		Rolling shutter
Aspect ratio		16:9
Hardware		
Camera		
Image capture resolution		max. 4608x2592 (12 MP)
Video recording resolution		max. 1920x1080 (Full HD)
Focus		Motorized focus (adjustable via software) Autofocus
Memory		
Type/Size		eMMC / 24 GByte
Electrical specifications		
Operating voltage	U_B	18 ... 28 V DC
Internal input fuse		1.5 AT
Power consumption	P_0	max. 12 W Digital output Low
Interface		
Interface type		10 BASE-T/100 BASE-TX
Protocol		TCP/IP , HTTP / HTTPS , FTP , RTSP
Transfer rate		10 MBit/s / 100 MBit/s
Cable length		max. 100 m
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
Output		
Current	I_e	max. 200 mA
Voltage		< 1 ... 2 V under supply voltage (high) < 0.2 ... 0.3 V (low)
Protective function		short circuit protection
Directive conformity		
Electromagnetic compatibility		EN 61326-1:2013
Radio equipment		
Directive 2014/53/EU		ETSI EN 300330 V2.1.1
WEEE		
Directive 2012/19/EU		WEEE compliant
RoHS		
Directive 2011/65/EU (RoHS)		RoHS compliant
Conformity		
Shock resistance		EN 60068-2-27:2009
Playback formats		

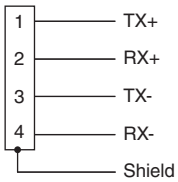
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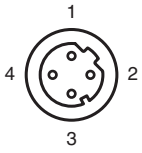
Technical Data

Video	**Video Livestream:** - Codec/Container: H264/WebRTC - frame rate: 3 ... 24 fps - resolution: 1920 x 1080, 1280 x 720, 960 x 540, 640 x 360 **RTSP Stream:** - Codec/Container: H264/RTSP - frame rate: 3 ... 24 fps - resolution: 1920 x 1080, 1280 x 720, 960 x 540, 640 x 360 **HLS stream:** - Codec/Container: H264/HLS - frame rate: 3 ... 24 fps - resolution: 1920 x 1080, 1280 x 720, 960 x 540, 640 x 360 **Video Recording:** - Codec/Container: H264/MP4, adjustable quality - frame rate: 3 ... 24 fps - resolution: 1920 x 1080, 1280 x 720, 960 x 540, 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	
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	Die-cast aluminum alloy (GD-AlSi12)
Surface	black , powder coated
Observation window	glass, fully bonded
Mass	0.25 kg
Dimensions	
Height	104 mm
Width	81.2 mm
Depth	30 mm
Mounting	4x M6 1x ¼-20 UNC

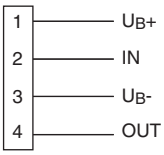
Connection Assignment

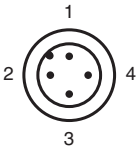
Ethernet





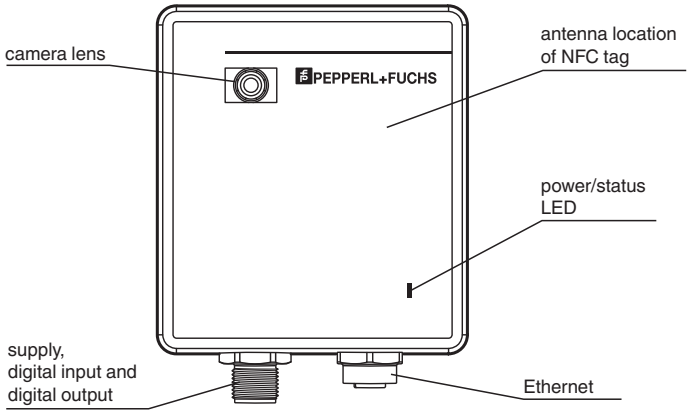
Supply and digital input and output





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Assembly



Technical Features

Field Of View

Distance	Horizontal field of view	Vertical field of view
0.5 m	1.235 m	0.662 m
1.0 m	2.470 m	1.324 m
2.5 m	6.174 m	3.309 m
5.0 m	12.349 m	6.619 m

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