FK-N-CF-1135 Series
1/3" CMOS Furnace Probe Network Camera

FUNCTIONALITY

For process monitoring in high temperature areas, special cameras are used for the difficult requirements in these production environments.
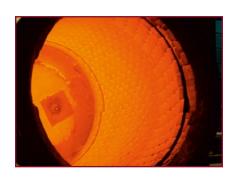
Different applications i.e. in the steel, glass or cement industries require robust, vibration- and shock-resistant cameras that can withstand continuous industrial operations without any problems and are sensitive enough to capture color video images in detail.
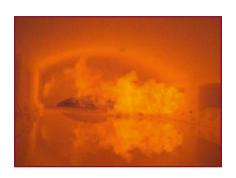
The FK-N-CF-1135 series is characterized by a number of special technical features and a special design. The network camera has various synchronization options and is installed in a protective housing.

MAIN FEATURES

- 2 MP / HDTV 1080p @ 30 fps
- Lightfinder & WDR
- Exchangable CS mount lens
- Zipstream supporting H.264 and H.265

FK-N-CF-1135 SERIES - TECHNICAL DATA

CAMERA	
Image Sensor	Progressive scan RGB CMOS 1/3"
Lens	Depending on application
Day and Night	Automatically removable infrared-cut filter
Minimum illumination	HDTV 1080p 25/30 fps with Lightfinder and WDR: Color: 0.15 lux @ 50 IRE, F1.4; B/W: 0.03 lux @ 50 IRE, F1.4 HDT
Shutter time	1/33500 to 2 s

VIDEO	
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles; H.265 (MPEG-H Part 2/HEVC) Main Profile; Motion JPEG
Resolution	1.920 x 1.080 to 160 x 90
Frame rate	Up to 25/30 fps in all resolutions
Video streaming	Multiple, individually configurable streams in H.264, H.265 and Motion JPEG, controllable frame rate and bandwidth, VBR/ABR/MBR H.264/H.265
Image settings	WDR: up to 120 dB depending on scene, manual shutter time, compression, color, brightness, sharpness, contrast, white balance, exposure control (incl. automatic gain control), exposure zones, fine tuning of behavior in low light, rotation: 0°, 90°, 180°, 270° incl. corridor format, aspect ratio correction, text and image overly, privacy mark, mirroring of images
Pan/Tilt/Zoom	Digital PTZ

NETWORK	
Security	Password protection, IP address filtering, HTTPS encryption, IEEE 802.1x (EAP-TLS) network access control, digest authentication, user access log, brute force delay protection, signed firmware, secure boot
Supported protocols	IPv4, IPv6 USGv6, HTTP, HTTPS, SSL/TLS, QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP®, SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SRTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, LLDP

GENERAL	
Memory	512 MB RAM, 512 MB Flash
Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 2, max 6.49 W, typical 4.1 W 8-28 V DC, max 6.49 W, typical 3.8 W
Connectors	RJ45 10BASE-T/100BASE-TX PoE; Terminal block for one input and one output (12 V DC output, max load 25 mA), DC input, terminal block, 3.5 mm mic/line in
Storage	Support for microSD/microSDHC/microSDXC card; SD card encryption; Support for recording to network-attached storage (NAS)
IR Illumination	Distance: 15 m (optional)
Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Polish, Traditional Chinese

SYSTEM INTEGRATION	
Event triggers	Device status, analytics, edge storage events, external input
Event actions	File upload via FTP, HTTP, HTTPS, SFTP, network share and email; Notification via email, HTTP, HTTPS, TCP; Video recording to edge storage, pre- and post-alarm video buffering, PTZ preset, guard tour, send video clip, send SNMP trap, day/night vision mode, WDR mode, status LED indicator, output port
Data streaming	Event data

PIEPER

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