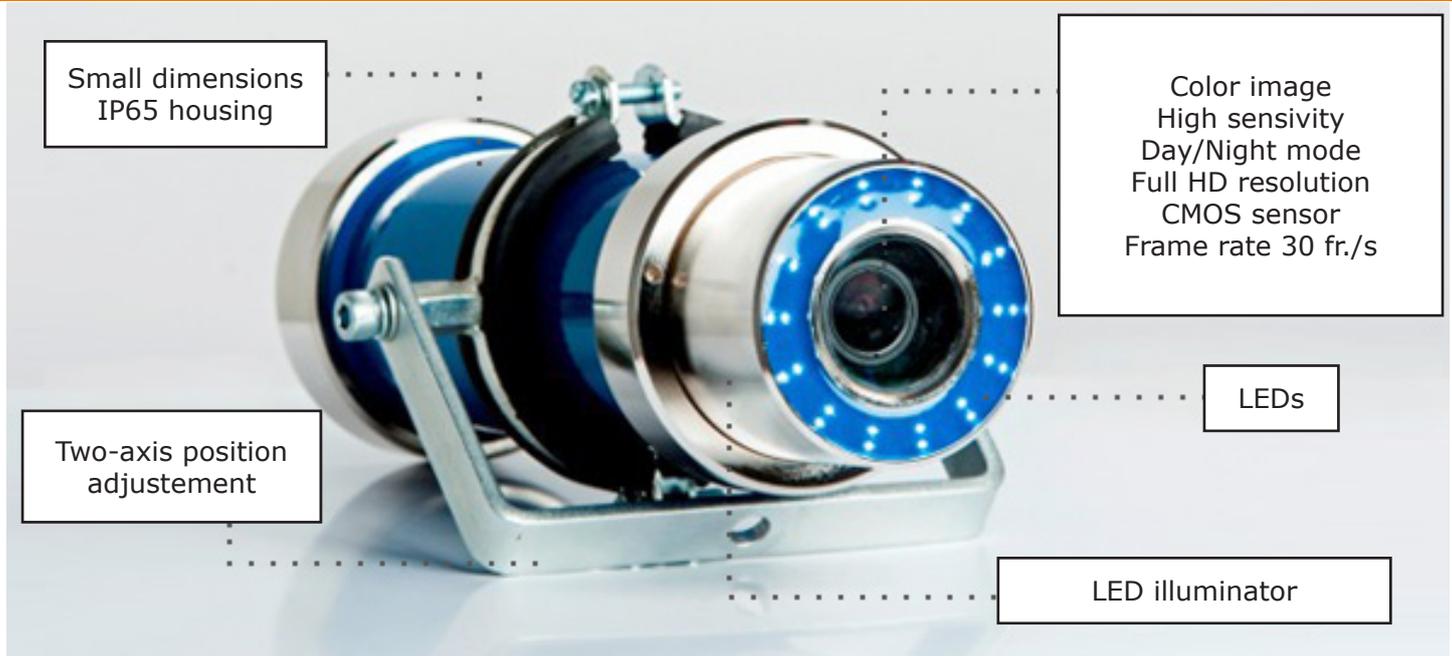


# INTRINSICALLY SAFE CCTV VIDEO CAMERA KTi-5



Intrinsically safe CCTV video camera is designed to transmit color images in real time from hazardous areas with potentially explosive atmospheres. Within group I (ATEX classification) allows to operate in unrestricted concentration of methane, within group II allows to operate in zone 0.

CCTV video camera provides Full HD video stream, with compression standard H.264 or MPEG-4, allowing to transmit images with frame rate 30fr./s. Thanks to Full HD resolution, camera can record up to five times more details when compared with traditional analog camera.

It supports the most of network protocols.

Image can be displayed directly in network browser IE 6.0 (or newer) or with any software dealing with RTP/RTCP streams.

Video camera allows settings of video stream in scope of image quality, shutter speed, video stream flow, frame type, compression ratio etc. It is equipped with functions such as movement detection or face recognition.

The camera has a lens with aperture automatically adjustable depending on light intensity.

In poor lighting conditions sensor switches automatically to black/white mode. The camera has integrated LED illuminator.

The camera is powered from 12V DV intrinsically safe power supply. Power cord is inserted into the camera through M16 cable gland. Video stream is provided through fiber optics 100Base-FX interface. Fiber is inserted into the camera through M20 cable gland. Additionally camera provides analog CVBS signal. Camera IP65 housing is made of steel and it is shock resistant. The handle allows to adjust camera position in two-axis.

TECHNICAL SPECIFICATIONS	
Supply voltage (intrinsically safe)	12V DC
Current consumption:	
camera	typ. 0,5A
illuminator	typ. 0,3A
Unbalanced analog video signal:	
standard	CVBS
output impedance	75Ω
output signal level	1Vpp
Optical video signal:	
standard	100Base FX
wave length	1310nm
recommended fiber type	9/125μm
type of fiber connector	SC PC
network protocols	TCP/IP, ARP, ICMP, HTTP, FTP (client/server), SMTP, DHCP, DNS, NTP, RTP/RTCP
Image processing:	
resolution	1920x1080
compression format	H.264, MPEG-4
frame rate	30 fr./s
Camera lens (standard version):	
focal length range	2,8-12mm
aperture control	DC
view angle	72,5x18,8°
Operating conditions:	
ambient temperature	-10 + +40°C
air relative humidity	95% in temp. 40°C
sinusoidal vibrations	10 + 35Hz, amplitude ≤0,15mm
atmospheric pressure	860 + 1101hPa
operating type	continuous
Enclosure degree of safety	IP65
Anti-explosive designation	I M1 Ex ia op is I Ma II 1G Ex ia op is IIB T4 Ga II 1G Ex ia op is IIIC T85°C Da
Compliance with standards	EN 60079-0, EN 60079-11 EN 60079-28, EN 50303
Dimensions	Φ87x310mm (without handle)
Mass	about 4kg