## COEX<sup>™</sup> C3000 HD IP TriMode Fixed Camera Station with Integrated Junction Box

The COEX<sup>™</sup> C3000 HD IP TriMode Fixed Camera Station with Integrated Junction Box has been developed specifically for hazardous-area applications. C3000 camera stations are designed for both toughness and durability as demanded for operation in the most adverse of environments, providing unprecedented visual feedback in all lighting conditions.



COEX C3000 hazardous-area camera stations operate in the most extreme environments worldwide. Designed for toughness, durability, and certified to perform in ambient temperatures from -55°C to +70°C without compromise, they are ideal for oil and gas, marine, and industrial installations.

This premium-performance camera station combines Full HD (1080p) video with 30x optical zoom and the latest thermal imaging technology, providing comprehensive coverage of a wide range of specific site applications where the benefits of using visible and thermal imaging are required.

Featuring the latest encoding technology (3<sup>rd</sup> generation IP encoder), the camera station is capable of quad-stream H.264 and H.265 encoding for simultaneous live view and recording.

Utilizing the advanced radiometry feature, the camera station can provide real-time temperature data and differential temperature monitoring of critical devices and applications. The C3000 HD IPTriMode Fixed Camera Station with Integrated Junction Box has cybersecurity measures built-in, including encrypted video streaming, HTTPS, and 802.1x protocols.

Providing the capability for the direct entry and termination of field cables, the selfcontained junction box also accommodates the management of fiber optic cores, power supply, and optional media converters for signal transmission.

This camera station is a versatile option for pre-existing systems, ensures a straightforward installation process, and is compatible with a variety of VMS platforms through ONVIF Profile S and T compliance.

## Options

- Integral wiper
- COEX FEWS3 wash systems
- Various voltage options 24 V
  AC/DC and (100 to 240) V AC
- Media converter (Coax)
- Advanced radiometry
- Integral fiber optic transmission





CYBERSECURITY

## Specifications

CERTIFICATIONS / RATINGS*	*7	[OPTIONS]							
ATEX / IECEx / UKCA	ATEX II 2GD, Ex db IIB/IIC Gb; Ex tb IIIC Db;T4 /T5 /T6 EN60079-0, EN60079-1, EN60079-31, IEC60079-0, IEC60079-1, IEC60079-31								
ATEX / IECEx / UKCA	-55°C to +40°C (T6), +50°C (T5), +60/70°C (T4)								
Certified Temperature EMC	EN61000-6-2, EN 61000-6-4, Class A limits								
CE / UKCA	IEC62368-1, IEC60825-1								
DNV	Pending								
INMETRO	BRA 21.GE0018X								
ENVIRONMENTAL									
Operating Temperature	-45°C to +70°C /-49°F to +158°F								
Storage Temperature	-45°C to +80°C /-49°F to +176°F								
Ingress Protection	IP66 & IP68 (30m Submersion for 4 hrs) to IEC60529 Type 6 Enclosure								
Salt Mist	IEC60068-2-52 & IEC60945 Section 8.12								
Vibration	0.7 g to IEC60068-2-6 & IEC60945								
Wind Loading	Operational to 130 km/h, survival to 268 km/h								
Humidity	5% to 95%								
MECHANICAL									
Material	Electro-polished 316L stainless steel								
Window	Optical: HD grade toughened glass, thermostatically operated demister [Wiper*2]								
	Thermal: Germanium window with DLC (Diamond-Like Carbon) coating and impact guard								
Mounting Orientation Mounting Base	Upright or inverted 1 x Ø 13.5 mm / 0.53″ fixing hole								
Dimensions <sup>*1</sup> (W x D x H)	402 x 310 x 239 mm / 15.83" x 12.21" x 9.41"								
Weight <sup>*1</sup>	23.5 kg / 51.8 lbs								
Cable Gland Entries*3	3 × M20 / [3 × M25] / [3 × 1/2" NPT]								
ELECTRICAL	Integrated PSU (Without Integrat	ted PSU)							
Input Power Options	(100 to 240) V AC 50/60 Hz 24 V AC/DC (±10%								
Power Rating	1.5 A max @ 100 V (Inrush 30 A max) -								
	40 VA Quiescent 9 VA Quiesc								
Power Consumption <sup>*1</sup>	40 VA Objesterit  14 VA Operating (with heater)    50 VA Operating (with heater)  22 VA Operating (with heater)								
	115 VA Max 27 VA Operating (W								
Wash Control <sup>*1/4</sup>	24 V AC/DC (0.75 A max) switched output								
Auxiliary Inputs*3	1 x contact closure input (5 V pull up) [additional inputs available on reque	est]							
Relay Outputs*3	1 x volt free switched output (24 V 0.75 A max) [up to 2 available on request]								
Audio <sup>*3</sup>	[Line Input]								
CAMERA OPERATION									
Preset Memory	128 user programmable preset positions (zoom, focus)								
Wash/Wipe <sup>*1/2</sup>	[Optional wash/wipe with auto-wiper off]								
ONVIF Control Features	Zoom and focus control, preset store/recall, auxiliary controls (wash/wipe/aut wash/wipe control mappable to ONVIF presets for control systems that have no support fo								
UNVIF CONTO Features	alarm inputs, and relay outputs	or auxiliary commands,							

Image Sensor    1/2.8" 2MP Starvis 2 CMOS sensor      Signal System    1080p 25(30):50:60 FPS      Effective Pixels    Approximately 2.13 megapixels      Zoom Range    30x zoom      (up to 360k with digital zoom)    500 K with digital zoom)      Focal Length / Aperture    4.3 mm (wide) to 129 mm (tele), F16 to F4.7      Angle of View (H)    Approx. 64.0" (Wide) to 2.4" (Tele)      Minimum Illumination    ICR-OFF mode: 0.009 k (Shutter Speed: 1/30 s), 0.0012 k (Shutter Speed: 1/4 s or 1/3 s)      K06% IRE, High Sensitivity    ICR-OFF mode: 0.09 k (Shutter Speed: 1/30 s), 0.012 k (Shutter Speed: 1/4 s or 1/3 s)      Minimum Illumination    ICR-OFF mode: 0.09 k (Shutter Speed: 1/30 s), 0.012 k (Shutter Speed: 1/4 s or 1/3 s)      (50% IRE, High Sensitivity    ICR-OFF mode: 0.09 k (Shutter Speed: 1/30 s), 0.012 k (Shutter Speed: 1/4 s or 1/3 s)      Mode ON)    ICR-OFF mode: 0.09 k (Shutter Speed: 1/30 s), 0.012 k (Shutter Speed: 1/4 s or 1/3 s)      (50% IRE, High Sensitivity    ICR-OFF mode: 0.000005 k (Shutter Speed: 1/30 s)      Mode ON    ICR-OFF mode: 0.000005 k (Shutter Speed: 1/30 s)      Wide Dynamic Range    On/off      Electronic Shutter    Auto (1/1 to 1/10,000 s, 22 steps)      Signal/Noise Ratio    > 50 od (weight on)      Digital zoom on/off, automatic gain control (AGC), auto white bal	DAY/NIGHT CAMERA / LENS									
Effective Pixels    Approximately 2.13 megapixels      Zoom Range    30x zoom      focal Length / Aperture    4.3 mm (wide) to 129 mm (tele), F1.6 to F4.7      Angle of View (H)    Approx. 64.0° (Wide) to 2.4° (Tele)      Minimum Illumination    ICR-OFF mode: 0.009 k (Shutter Speed: 1/30 s), 0.0012 k (Shutter Speed: 1/4 s or 1/3 s)      (60% IRE, High Sensitivity    ICR-OFF mode: 0.009 k (Shutter Speed: 1/30 s), 0.012 k (Shutter Speed: 1/4 s or 1/3 s)      (60% IRE, High Sensitivity    ICR-OFF mode: 0.09 k (Shutter Speed: 1/30 s), 0.012 k (Shutter Speed: 1/4 s or 1/3 s)      (60% IRE, High Sensitivity    ICR-OFF mode: 0.09 k (Shutter Speed: 1/30 s), 0.012 k (Shutter Speed: 1/4 s or 1/3 s)      (60% IRE, High Sensitivity    ICR-OFF mode: 0.00005 k (Shutter Speed: 1/4 s or 1/3 s, 30%)      Mode ON    ICR ON mode: 0.000005 k (Shutter Speed: 1/4 s or 1/3 s, 30%)      Wide Dynamic Range    On/off      Electonic Shutter    Auto (1/1 to 1/10,000 s, 22 steps)      Signal/Noise Ratio    > 50 db (weight con)      Digital zoom on/off, auto/manual focus, auto/manual ins, auto/manual IR cut filter remove (ICR), auto exposure (AE), automatic gain control (AGC), auto white balance (AWB), backlight compensation (BLC), auto exposure (AE), automatic gain control (AGC), outo white balance (AWB), backlight compensation (BLC), auto exposure (AE), automatic gain control (AGC), outo white balance (AWB), backlight compensation (BLC), auto exposure (AE), automatic gain control (AGC)	Image Sensor	1/2.8" 2MP Sta	arvis 2 CMOS sensor							
Zoom Range30x zoomZoom Range(up to 360x with digital zoom)Focal Length / Aperture4.3 mm (wide) to 129 mm (tele), F1.6 to F4.7Angle of View (H)Approx. 64.0° (Wide) to 2.4° (Tele)Minimum IlluminationICR-OFF mode: 0.009 k (Shutter Speed: 1/30 s), 0.0012 k (Shutter Speed: 1/4 s or 1/3 s)(60% IRE, High SensitivityICR-OFF mode: 0.09 k (Shutter Speed: 1/30 s), 0.0012 k (Shutter Speed: 1/4 s or 1/3 s)Minimum IlluminationICR-OFF mode: 0.09 k (Shutter Speed: 1/30 s), 0.012 k (Shutter Speed: 1/4 s or 1/3 s)(60% IRE, High SensitivityICR-OFF mode: 0.09 k (Shutter Speed: 1/30 s), 0.012 k (Shutter Speed: 1/4 s or 1/3 s)(60% IRE, High SensitivityICR-OFF mode: 0.09 k (Shutter Speed: 1/4 s or 1/3 s, 0%)Minimum IlluminationICR-OFF mode: 0.090 k (Shutter Speed: 1/4 s or 1/3 s, 30%)(30% IRE, High SensitivityICR ON mode: 0.000005 k (Shutter Speed: 1/4 s or 1/3 s, 30%)Wide Dynamic RangeOn/offElectronic ShutterAuto (1/1 to 1/10,000 s, 22 steps)Signal/Noise Ratio> 50 db (weight on)Digital zoom on/off, auto/manual focus, auto/manual ifs, auto/manual ifR, auto filter remove (ICR), auto slow shutter, wide dynamic range (WDR), defog, on-screen text display (OSD), image invertImage StabilizationSuper Image Stabilizer (Super/Super+)THERMAL IMAGERT306T318Tage SensorUncooled LVIR VOx microbolometerPixel Pitch12 µmThermal Sensitivity<50 mK at 1/1.0	Signal System	1080p 25/30/50/60 FPS								
Zoom Range    (up to 360x with digital zoom)      Focal Length / Aperture    4.3 mm (wide) to 129 mm (tale), F1.6 to F4.7      Angle of View (H)    Approx. 64.0° (Wide) to 2.4° (Tele)      Minimum Illumination    ICR-OFF mode: 0.009 k (Shutter Speed: 1/30 s), 0.0012 k (Shutter Speed: 1/30 s)      Mode ON)    ICR-OFF mode: 0.09 k (Shutter Speed: 1/30 s), 0.012 k (Shutter Speed: 1/30 s)      Minimum Illumination    ICR-OFF mode: 0.09 k (Shutter Speed: 1/30 s), 0.012 k (Shutter Speed: 1/30 s)      Mode ON)    ICR-OFF mode: 0.09 k (Shutter Speed: 1/30 s), 0.012 k (Shutter Speed: 1/30 s)      Mointimum Illumination    ICR-OFF mode: 0.00005 k (Shutter Speed: 1/30 s)      Kinimum Illumination    ICR-OFF mode: 0.00005 k (Shutter Speed: 1/4 s or 1/3 s, 30%)      Mode ON)    ICR ON mode: 0.000005 k (Shutter Speed: 1/4 s or 1/3 s, 30%)      Mode ON    ICR ON mode: 0.000005 k (Shutter Speed: 1/4 s or 1/3 s, 30%)      Mode ON    ICR ON mode: 0.000005 k (Shutter Speed: 1/4 s or 1/3 s, 30%)      Mode ON    ICR ON mode: 0.00005 k (Shutter Speed: 1/4 s or 1/3 s, 30%)      Mode ON    ICR ON mode: 0.000005 k (Shutter Speed: 1/4 s or 1/3 s, 30%)      Mode ON    ICR ON mode: 0.00005 k (Shutter Speed: 1/4 s or 1/3 s, 30%)      Mode ON    ICR ON mode: 0.00005 k (Shutter Speed: 1/4 s or 1/3 s, 30%)      Mode Speara    ICR ON mode: 0.00005 k (Shutter	Effective Pixels									
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Minimum Illumination (50% IRE, High Sensitivity Mode ON)    ICR-OFF mode: 0.009 k (Shutter Speed: 1/30 s), 0.0012 k (Shutter Speed: 1/4 s or 1/3 s) ICR-ON mode: 0.00008 k (Shutter Speed: 1/30 s)      Minimum Illumination (50% IRE, High Sensitivity Mode OFF)    ICR-OFF mode: 0.09 k (Shutter Speed: 1/30 s), 0.012 k (Shutter Speed: 1/4 s or 1/3 s) ICR-ON mode: 0.00063 k (Shutter Speed: 1/30 s)      Minimum Illumination (30% IRE, High Sensitivity Mode ON)    ICR-ON mode: 0.000005 k (Shutter Speed: 1/4 s or 1/3 s, 30%)      Wide Dynamic Range    On/off      Electronic Shutter    Auto (1/1 to 1/10,000 s, 22 steps)      Signal/Noise Ratio    > 50 db (weight on)      Digital zoom on/off, auto/manual fics, auto/manual IR: cut filter remove (ICR), auto exposure (AE), automatic gain control (AGC), auto white balance (AWB), backlight compensation (BLC), auto slow shutter, wide dynamic range (WDR), defog, on-screen text display (OSD), image invert      Image Stabilization    Super Image Stabilizer (Super/Super+)      THERMAL IMAGER    T306    T318    T618    T636      Image Sensor    Uncooled LWIR VOx microbolometer    Texe    Texe      Pixel Pitch    12 µm    Thermal Sensitivity    <50 mK at f/1.0	Focal Length / Aperture	4.3 mm (wide) to 12	29 mm (tele), F1.6 to F4.7							
ICR-OFF mode: 0.009 k (Shutter Speed: 1/30 s), 0.012 k (Shutter Speed: 1/4 s or 1/3 s) ICR-ON mode: 0.00008 k (Shutter Speed: 1/30 s)Mode ON)ICR-OFF mode: 0.09 k (Shutter Speed: 1/30 s), 0.012 k (Shutter Speed: 1/4 s or 1/3 s) ICR-ON mode: 0.00008 k (Shutter Speed: 1/30 s), 0.012 k (Shutter Speed: 1/4 s or 1/3 s) ICR-ON mode: 0.00063 k (Shutter Speed: 1/30 s)Minimum Illumination (30% IRE, High Sensitivity Mode OFF)ICR-ON mode: 0.00005 k (Shutter Speed: 1/4 s or 1/3 s, 30%)Minimum Illumination (30% IRE, High Sensitivity Mode ON)ICR ON mode: 0.00005 k (Shutter Speed: 1/4 s or 1/3 s, 30%)Wide Dynamic Range Electronic ShutterOn/offElectronic Shutter FeaturesAuto (1/1 to 1/10,000 s, 22 steps)Signal/Noise Ratio> 50 db (weight on)Digital zoom on/off, auto/manual focus, auto/manual iris, auto/manual IR cut filter remove (ICR), auto exposure (AE), automatic gain control (AGC), auto white balance (AWB), backlight compensation (BLC), auto slow shutter, wide dynamic range (WDR), defog, on-screen text display (OSD), image invertImage StabilizationSuper Image Stabilizer (Super/Super+)THERMAL IMAGERT306T318Image SensorUnccoled LWIR VOx microbolometerPixel Pitch12 µmThermal Sensitivity<50 mK at f/1.0		Approx. 64.0°	(Wide) to 2.4° (Tele)							
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(30%) IRE, High Sensitivity Mode ON)ICR ON mode: 0.000005 k (Shutter Speed: 1/4 s or 1/3 s, 30%)Wide Dynamic RangeOn/offElectronic ShutterAuto (1/1 to 1/10,000 s, 22 steps)Signal/Noise Ratio> 50 db (weight on)Digital zoom on/off, auto/manual focus, auto/manual iris, auto/manual IR cut filter remove (ICR), auto exposure (AE), automatic gain control (AGC), auto white balance (AWB), backlight compensation (BLC), auto slow shutter, wide dynamic range (WDR), defog, on-screen text display (OSD), image invertImage StabilizationSuper Image Stabilizer (Super/Super+)THERMAL IMAGERT306T318T618T636Image SensorUncooled LWIR VOx microbolometerPixel Pitch12 µmThermal Sensitivity<50 mK at f/1.0	(50% IRE, High Sensitivity									
Electronic ShutterAuto (1/1 to 1/10,000 s, 22 steps)Signal/Noise Ratio> 50 db (weight on)Digital zoom on/off, auto/manual focus, auto/manual iris, auto/manual IR cut filter remove (ICR), auto exposure (AE), automatic gain control (AGC), auto white balance (AWVB), backlight compensation (BLC), auto slow shutter, wide dynamic range (WDR), defog, on-screen text display (OSD), image invertImage StabilizationSuper Image Stabilizer (Super/Super+)THERMAL IMAGERT306T318T618T636Image SensorUncooled LWIR VOx microbolometerPixel Pitch12 µmThermal Sensitivity<50 mK at f/1.0	(30% IRE, High Sensitivity	ICR ON mode: 0.000005 lx (§	Shutter Speed: 1/4 s or 1/3 s, 30%)							
Signal/Noise Ratio> 50 db (weight on)Digital zoom on/off, auto/manual focus, auto/manual iris, auto/manual IR cut filter remove (ICR), auto exposure (AE), automatic gain control (AGC), auto white balance (AWVB), backlight compensation (BLC), auto slow shutter, wide dynamic range (WDR), defog, on-screen text display (OSD), image invertImage StabilizationSuper Image Stabilizer (Super/Super+)THERMAL IMAGERT306T318T618T636Image SensorUncooled LWIR VOx microbolometerPixel Pitch12 µmThermal Sensitivity<50 mK at f/1.0	Wide Dynamic Range	(	On/off							
Digital zoom on/off, auto/manual focus, auto/manual iris, auto/manual IR cut filter remove (ICR), auto exposure (AE), automatic gain control (AGC), auto white balance (AWB), backlight compensation (BLC), auto slow shutter, wide dynamic range (WDR), defog, on-screen text display (OSD), image invertImage StabilizationT306T318T618T636Image SensorUncooled LWIR VOx microbolometerPixel Pitch12 µmThermal Sensitivity<50 mK at f/1.0Spectral Response8 - 14 µm	Electronic Shutter	Auto (1/1 to 1;	/10,000 s, 22 steps)							
Featuresauto exposure (AE), automatic gain control (AGC), auto white balance (AWB), backlight compensation (BLC), auto slow shutter, wide dynamic range (WDR), defog, on-screen text display (OSD), image invertImage StabilizationT306T318T618T636Image SensorUncooled LWIR VOx microbolometerPixel Pitch12 µmThermal Sensitivity<50 mK at f/1.0Spectral Response8 - 14 µm	Signal/Noise Ratio									
THERMAL IMAGERT306T318T618T636Image SensorUncooled LWIR VOx microbolometerPixel Pitch12 µmThermal Sensitivity<50 mK at f/1.0		auto exposure (AE), automatic gain control (AGC), a auto slow shutter, wide dynamic range (WDR	auto white balance (AWB), backlight compensation (BLC), }), defog, on-screen text display (OSD), image invert							
Image SensorUncooled LWIR VOx microbolometerPixel Pitch12 µmThermal Sensitivity<50 mK at f/1.0	Image Stabilization	Super Image Sta	abilizer (Super/Super+)							
Pixel Pitch  12 µm    Thermal Sensitivity  <50 mK at f/1.0	THERMAL IMAGER	T306 T318	T618 T636							
Thermal Sensitivity  <50 mK at f/1.0	Image Sensor	Uncooled LWIR	NOx microbolometer							
Spectral Response 8 - 14 µm	Pixel Pitch		12 µm							
	Thermal Sensitivity	<50 mK at f/1.0								
	Spectral Response	8 - 14 µm								
	Refresh Rate	>9Hz [>60H	Hz] [25 Hz / 30 Hz]							
Pixel Resolution*9      320 x 256      640 x 512	Pixel Resolution*9	320 × 256	640 × 512							

Fixed Focal Length	6.3 mm f/1.0	18 mm f/1.0	18 mm f/1.0	36 mm f/1.0					
Angle of View	34.1° x 27.3°	12.7° × 9.7°	24.3° × 19.5°	12.2° x 9.8°					
Radiometric Functionality	Yes	No	Yes	No					
	8x digital zoom, auto/mar	nual gain mode (AGC), auto	/manual FFC (NUC), selectable	e color palettes, second					
Features	mization, active contrast enhanc	ement (ACE), information							

Advanced Radiometry

When used with Synergy, the advanced radiometry feature provides four regions of interest per preset position that can be individually monitored or compared against one another for temperature threshold changes.)

VIDEO ENCODING									
Compression Standards	H.264 (MPEG4 part 10/AVC) high, main, base profiles								
Compression Standards	H.265 (MPEG-H part 2/HEVC), MJPEG								
Bitrate Mode	Constant Bitrate (CBR), Variable Bitrate (VBR)								
Encoding Capability	Simultaneous streaming of both color and thermal images								
Encounty cupublicy	Up to 2 independently configurable encoded video streams per image sensor								
Stream Bitrate <sup>*6</sup>	100 kb/s to 25 Mb/s								
Image Resolution*6/9	Day/Night Camera: Full HD 1080p (1920 × 1080), 720p (1280 × 720), D1 (720 × 576/480), 4ClF (704 × 576), ClF (352 × 288)								
inage neoolation	Thermal Imager: Native (640x512 or 320x256), D1 (720 x 576/480), VGA (640 x 480), QVGA (320 x 240)								
Image Rate <sup>*6</sup>	Thermal (Full, half, quarter, sixth), HD (up to 60 IPS)								
GOP Structure	I-frame only, 5 to 240 frames								
Region of Interest (ROI)	Configurable per encoded video stream, ability to crop a selected area of the image source for encoding								
negion of interest (noi)	(variable resolution and aspect ratio)								
AUDIO ENCODING									
Compression Standards	ARM AACLC, ARM AACLC MPEG2, ARM AACHE, ARM AACHE V2								

Compression Standards	ARM AACLC, ARM AACLC MPEG2, ARM AACHE, ARM AACHE V2	
Sample Rate	48 kHz, 44.1 kHz, 32 kHz, 16 kHz	
Stream Bitrate	12 to 384 kb/s (AACHE and AACHE V2 32 to 64 kb/s)	

NETWORK DEVICE	
Interface Options <sup>*5</sup>	Ethernet (100Base-T, 10-Base-T), Auto/full/half duplex, Auto/10/100, Configurable MTU Size [Fiber optic SFP connectivity] [Media converter]
Protocols	TCP/IP, UDP, ICMP, DHCP, DNS, HTTP, HTTPS, NTP, RTSP/RTP/RTCP, TSRTP, RTMP, RTMPS, SRT, IGMP, SNMP, SYNS, SSL, TLS, 802.1x (EAP)
Control Protocol	SYNS, ONVIF (Profile S, T compliant)
Video Stream Delivery	RTSP/RTP (Unicast: UDP/TCP, Multicast UDP), TSRTP, RTMP, RTMPS, SRT
Network Discovery	SYNS, WS-Discovery (ONVIF)
Device Security	Multiple users and 7 access levels protecting access to the web interface, ONVIF and RTSP services, HTTPS support, HTTP disable, 802.1x (EAP), video streaming disabled until change of default password, unicast stream disable
Supported Internet Browsers	Chrome/Firefox/IE/Edge (No Active-X browser components required)
System Maintenance	Field upgradeable firmware, diagnostic logs Hardware system supervisor providing temperature management, cold-start, auto-shutdown and watchdog control

[FIBER OPTICS]*5	100FxLP	100Fx/20km	100Fx/30km	100WLFxA	1000Lx	1000WLxA					
Optical Interface	100Base-Fx 100Base-Fx 100Base-Fx		100Base-Fx	1000Base-Lx	1000Base-Lx						
Fibers Required	Dual	Single	Dual Single								
Wavelength	1310 nm	1310 nm	Tx 1310 nm Rx 1550 nm	1310 nm Tx 1310 nm Rx 1550 nm							
Transmit Optical Power	(-20 to -10) dBm	(-15 to -8) dBm	(-5 to 0) dBm	(-14 to -8) dBm	(-9 to -3) dBm	(-9 to -3) dBm					
Receive Sensitivity	< -31 dBm	< -31 dBm	< -31 dBm	< -33 dBm	< -22 dBm	< -22 dBm					
Standard Optical Link Budget	> 11db	> 16dB	> 26dB	> 19dB	> 13dB	> 13dB					
Optical Connector	Connector LC LC LC SC										
Fiber Management		Integral fiber mar	nagement with tern	nination capacity for	spare fiber cores						
Features		[Link loss forwardin	ng, fault detection]		Link loss forwardi	ng, fault detection					
[MEDIA CONVERTER]*5			Ethernet	over Coax							
Connectivity	Auto-optimizing for 75 Ω coaxial cable: 280m (920ft) full-rate over video-grade RG-59 (Up to 350m depending on cable quality) 350m (1150ft) full-rate over RG-6 500m (1640ft) full-rate over RG-11										
Interface Data Rate	Auto-configuring for speed (10BASE-T or 100BASE-T) and duplex										

te Auto-configuring for speed (10BASE-T or 100BASE-T) and duplex Retrofit existing analog CCTV installations to Ethernet-based systems,

Allow the connectivity of camera stations outside the permitted run length of 100Base-Tx Ethernet cabling

NOTE: \*1 Dependent on certification and equipment fitted. \*2 Wipers are consumable items that need regular replacement. Please refer to the manual for recommendations and maintenance. \*3 Dependent on cable tail option. \*4 Wash output relay option shall be specified at the time of order. \*5 Exact interface option and media type must be specified at the time of order. Maximum transmission distance dependent on cable infrastructure quality and integrity. \*6 Maximum permissible resolution, bitrate and framerate per additional stream will be reduced dependent on the configuration of the primary stream. \*7 Exact certification requirements must be specified at the time of order. \*9 Dependent on lens selection.

Features

PART CODE STRUCTURE															
		C3 -	A	В	С	D	- [	E	-	F	G	Η	J	]	
	(Example)	C3 -	2	F	95	T306	- [	W	- [	В	3	E	X	]	
A - CA	MERA HOUSING SIZE													J - 1	SPECIAL
2	Size 2 camera housing		J												Standard build
														Х	Special build
B - FI)	(ED/PTZ														
F	Fixed													H- TY	OUTPUT TRANSMISSION PE
														С	Соах
														Е	Ethernet Base-T
C - DA	Y/NIGHT CAMERA													S	Singlemode fibre
95	HD (1080p), 30x zoom													Μ	Multimode fibre
D-TH	ERMAL IMAGING MODULE														
T306	Medium resolution, 34.1° HFOV													G-	BASE/MOUNTING TYPE
T318	Medium resolution, 12.7° HFOV													3	Base type 3 (with PSU)
T618	High resolution, 24.3° HFOV													4	Base type 4 (without PSU)
T636	High resolution, 12.2° HFOV														
									L					F-	TECHNOLOGY SERIES
E-WI	PER													В	3rd Gen, IP encoder
	Without wiper														
W	Standard wiper														

B Brush wiper



Reference Number: 06\DS 0727 lss 4

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