Connection **Rail** - S/Q

The ConnectionRail series converts video, audio, and binary signals into ethernet- network streams, making them available over long distances.

As part of the Connection Rail series, ATEX certified equipment for use in hazardous areas as well as non-ATEX equipment for industrial control environmentsm, are available.

Interface diversity makes our Connection Rails solve every digitalisation task. Cameras from re-nowned manufacturers can be controled via RS232/RS422 or RS485 interface network-based. In addtion, Ex-speakers, Ex-microphones and DECT base stations can also be connected. Networking can either be realized via fiber optic cable, copper Ethernet or wireless.

Data.

Models:	T05-S-XX-XXX		T05-Q-XX-XXX	
	front View	Left Side View	front View	Left Side View
				

	Mechanichal characteristic:	
Housing material:	Stainless steel (1.4301)	Stainless steel (1.4301)
Protection Level:	IP 66 (IEC / EN 60529)	IP 66 (IEC / EN 60529)
Weight:	ca. 6 kg	ca. 10 kg
Dimensions:	200x300x120 (WxHxD)	380x300x155 (WxHxD)
	Power supply:	
Power supply:	100-240 VAC	100-240 VAC
Frequency:	47-63 Hz	47-63 Hz
Input current:	Depending on the model: < 0.3 A @230 VACin	Depending on the model: < 0.3 A @230 VACin
External fuse:	2A	2A
Transient:	To VDE 0160 / W2 (750V / 1.3ms), all loads	To VDE 0160 / W2 (750V / 1.3ms), all loads
	Field and control power:	
Field and control voltage:	12VDC to 30VDC (on terminal blocks for each camera)	12VDC to 30VDC (on terminal blocks for each camera)
Fuse field circuit:	2000mA mT (depending on camera type)	2000mA mT (depending on camera type)
	Interfaces:	
Power supply:	Terminals of the internal power supply	Terminal block X0 (3xUT2,5)
Camera Connectors:	Terminal block X1 with fuses (for one camera)	Terminal block X1 with fuses (for up to four cameras)
Binary inputs and outputs:*	Dry contacts*	Dry contacts*
Ethernet:	RJ45 and/or fiber connector and/or wireless access point (model dependent)	RJ45 and/or fiber connector and/or wireless access point (model dependent)

* = Optional

Connection **Rail** - S/Q

SAMCON Prozessleittechnik GmbH

Models:	T05-S-XX-XXX	T05-Q-XX-XXX
	Video encoder:	
Video compression:	H.264 (MPEG-4 Part 10/AVC Motion JPEG	4 x H.264 (MPEG-4 Part 10/AVC 4 x Motion JPEG
Resolutions:	NTSC: 720x480 to 176x120 or PAL: 720x576 to 176x144	4 x NTSC: 720x480 to 176x120 or 4 x PAL: 720x576 to 176x144
Frame rate @ H.264:	30/25 (NTSC/PAL) fps in all resolutions	30/25 (NTSC/PAL) fps in all resolutions and all streams
Frame rate @ Motion JPEG:	30/25 (NTSC/PAL) fps in all resolutions	30/25 (NTSC/PAL) fps in all resolutions and all streams
Video streaming:	Multi-stream H.264 and Motion JPEG: 3 simultaneous, individually configured streams in max. resolution at 30/25 fps; more streams if identical or limited in frame rate/resolution. Controllable frame rate and bandwidth VBR/CBR H.264	Multiple, individually configurable streams per channel in H.264 and/or Motion JPEG: 3 simultaneous streams in max. resolution at 30/25 fps from each channel; more streams if identical or limited in frame rate/resolution. Controllable frame rate and bandwidth VBR/CBR H.264
Image settings:	Compression, color, brightness, contrast Rotation: 90°, 180°, 270° Aspect ratio correction Mirroring of images Text and image overlay Privacy mask Enhanced deinterlace filter	Compression, color, brightness, contrast Rotation: 90°, 180°, 270° Aspect ratio correction Mirroring of images Text and image overlay Privacy mask Enhanced deinterlace filter
	Audio:	
Audio streaming:	Two way, full duplex	Two way, half-duplex on Channel 1
Audio compression:	AAC-LC 8 kHz 32 kbit/s, 16 kHz 64 kbit/s G.711 PCM 8 kHz 64 kbit/s G.726 ADPCM 8 kHz 32 or 24 kbit/s	AAC-LC 8 kHz 32 kbit/s, 16 kHz 64 kbit/s G.711 PCM 8 kHz 64 kbit/s G.726 ADPCM 8 kHz 32 or 24 kbit/s
Audio Input:	T05-S-00: 3.5 mm mic/line at the video server T05-S-DE: DECT Interface T05-S-AM: Amplifier and Microfone connectors on terminal blocks	T05-Q-00: 3.5 mm mic/line at the video server T05-Q-DE: DECT Interface T05-Q-AM: Amplifier and Microfone connectors on terminal blocks
	Network:	
Ethernet connectors: (all Options selectable)	T05-S-XX-XX1: Ethernet Tx (Connection point for Cat6 copper cable) T05-S-XX-X1X: Ethernet FX (Connection point for fiber optic cable)el) T05-S-XX-1XX: Etherner WLAN (Integrated Wireless Access Point)	T05-Q-XX-XX1: Ethernet Tx (Connection point for Cat6 copper cable) T05-Q-XX-X1X: Ethernet FX (Connection point for fiber optic cable)el) T05-Q-XX-1XX: Etherner WLAN (Integrated Wireless Access Point)
Required TCP/IP Adresses:	1 (default: DHCP or 192.168.0.90)	4 (default: DHCP or 192.168.0.90 to 192.168.0.93)
Security:	Password protection, IP address filtering, HTTPS encryption, IEEE 802.1X network access control, digest authentication, user access log.	Password protection, IP address filtering, HTTPS encryption, IEEE 802.1X network access control, digest authentication, user access log.
Supported protocols:	IPv4/v6, HTTP, HTTPS*, IEEE 802.1X*, QoS layer 3 DiffServ, FTP, SMTP, Bonjour, UPnP, SNMPv1/v2c/v3(MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS	IPv4/v6, HTTP, HTTPS*, IEEE 802.1X*, QoS layer 3 DiffServ, FTP, SMTP, Bonjour, UPnP, SNMPv1/v2c/v3(MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS

Models.

T05- X- XX-XXX

xx1 = Ethernet Tx (Connection point for Cat5 copper cable))
x1x = Ethernet FX (Connection point for fiber optic cable (ST patch panel)
1xx = Etherner WLAN (Integrated Wireless Access Point)
*all options selectable

00 = No audio connection
DE = Integrated DECT base station
AM = Integrated Amplifier for speaker connection

S = Single port video server (one camera)
Q = Quad-port video servers (four cameras)

T05 = Typ Nr. 05 (Connection Rail for use in non-explosive atmosphere)