

# INT-RJ / INT-SM / INT-MM

Network Interface and cable tail of the Siqura SA or EX cameras

## DESCRIPTION

The INT-RJ, INT-SM or INT-MM defines the medium for the ethernet interface of the Siqura SA or EX camera. This option should always be defined together with the housing and the assembled camera.

## FEATURES

INT-RJ: CAT 5e interface on RJ45

INT-SM: Single-mode fiber interface

INT-MM: Multi-mode fiber interface

ATEX certified armoured multicable

ATEX certified Ex d barrier glands



## Description

### SA-Housing

The SA housings can be fitted with direct fiber outputs by using the INT-SM for Ethernet over single-mode or INT-MM for Ethernet over multimode fiber. Else INT-RJ has to be chosen to enable the RJ45 (CAT5e) interface for 100 Mb Fast Ethernet.

### Ex-Housing

The Atex or EX-housings require a complete installed cable tail. The INT-RJ5 or INT-RJ10 define a EX cable tail for 100 Mb Fast Ethernet of 5 or 10 meter. INT-SM5 or INT-SM10 defines a single-mode connection with a 5 or 10 meter multicable and INT-MM similar for multi-mode. The cable tail is terminated by two Ex d barrier glands on both sides. At the open part of the cable the fiber is fitted with SC fiber connectors.

INT-RJ			
	INT-RJ	INT-RJ5	INT-RJ10
Network Interface	Fast Ethernet (10/100 Mb)	CAT7 STP (4x2x0.27)	CAT7 STP (4x2x0.27)
Connector	RJ45 female	RJ45 male	RJ45 male
24Vac Washer control	3-pin termination block	2x0.22 SSTP	2x0.22 SSTP
		white, black, shield	white, black, shield
Power interface	3-pin termination block	3x2.5 (L, N, PE)	3x2.5 (L, N, PE)
		Brown, Blue, Yellow/green	Brown, Blue, Yellow/green
Cable length	0	5	10
Supported housings	SA-FIX, SA-FIX W, SA-FIX T	EX-FIX, EX-FIX W, EX-FIX T	EX-FIX, EX-FIX W, EX-FIX T
	SA-PTZ, SA-PTZ T, SA-PTZ D	EX-PTZ, EX-PTZ T, EX-PTZ D	EX-PTZ, EX-PTZ T, EX-PTZ D
	EX-FIX, EX-FIX W, EX-FIX T		
	EX-PTZ, EX-PTZ T, EX-PTZ D		

INT-SM			
	INT SM	INT-SM5	INT-SM10
Network Interface	1310 nm, 100Mb, OS1	1310 nm, 100Mb, OS1	1310 nm, 100Mb, OS1
Connector	2x Single mode SC	2x OS1 (9um/125um) with SC	2x OS1 (9um/125um) with SC
24Vac Washer control	3-pin termination block	2x0.22 SSTP	2x0.22 SSTP
		white, black, shield	white, black, shield
Power interface	3-pin termination block	3x1.5 (L, N, PE)	3x1.5 (L, N, PE)
		Brown, Blue, Yellow/green	Brown, Blue, Yellow/green
Cable length	0	5	10
Supported housings	SA-FIX, SA-FIX W, SA-FIX T	EX-FIX, EX-FIX W, EX-FIX T	EX-FIX, EX-FIX W, EX-FIX T
	EX-FIX, EX-FIX W, EX-FIX T	EX-PTZ, EX-PTZ T	EX-PTZ, EX-PTZ T
	EX-PTZ, EX-PTZ T		

INT-MM			
	INT MM	INT-MM5	INT-MM10
Network Interface	1300 nm, 100Mb, OM1	1300 nm, 100Mb, OM1	1300 nm, 100Mb, OM1
Connector	2x multi-mode SC	2x 62.5um/125um with SC	2x 62.5um/125um with SC
24Vac Washer control	3-pin termination block	2x0.22 SSTP	2x0.22 SSTP
		white, black, shield	white, black, shield
Power interface	3-pin termination block	3x1.5 (L, N, PE)	3x1.5 (L, N, PE)
		Brown, Blue, Yellow/green	Brown, Blue, Yellow/green
Cable length	0	5	10
Supported housings	SA-FIX, SA-FIX W, SA-FIX T	EX-FIX, EX-FIX W, EX-FIX T	EX-FIX, EX-FIX W, EX-FIX T
	EX-FIX, EX-FIX W, EX-FIX T	EX-PTZ, EX-PTZ T	EX-PTZ, EX-PTZ T
	EX-PTZ, EX-PTZ T		

INT-RJ5 and INT-RJ10 Cable and gland specifications	
Cable glands	2x M25 Ex d barrier glands, nickel plated brass
Cable gland marking	CE 0722 II 2 GD - Ex d IIC Gb Ex e IIC Gb Ex tb IIIC Db IP66/67
Operating temperature gland	-20°C to +60°C

# Specs



## INT-RJ5 and INT-RJ10 Cable and gland specifications

Inner sheath	LSZH
Armour	Galvanized steel wire braid
Outer sheath	MUD-resistant, UV-resistant
Diameter (internal/external)	17 mm / 21 mm
Minimum bending radius	420 mm
Nominal weight	480kg/km
Compliant to	IEC60332-1; IEC60332-3-24; DIN VDE 0472 part 805 B; IEC60811; IEC60502 ASTM G 154 -- ASTM D 4587 -- EN ISO 11507; ASTM-D-2565-92A
Marking	TV302491 - TDAU202421 COMPOSITE ARMoured CABLE LSZH MUDD RESISTANT FIRE RETARDANT UV RESISTANT T--40+90°TK

## INT-SM5/SM10 and INT-MM5/MM10 Cable and gland specifications

Cable glands	2x M25 Ex d barrier glands, nickel plated brass
Cable gland marking	CE 0722 II 2 GD - Ex d IIC Gb Ex e IIC Gb Ex tb IIIC Db IP66/67
Operating temperature gland	-20°C to +60°C
Inner sheath	LSZH
Armour	Galvanized steel wire braid
Outer sheath	MUD-resistant, UV-resistant
Diameter (internal/external)	15 mm / 19 mm
Minimum bending radius	380 mm
Nominal weight	550kg/km
Compliant to	IEC60332-1; IEC60332-3-24; DIN VDE 0472 part 805 B; IEC60811; IEC60502 ASTM G 154 -- ASTM D 4587 -- EN ISO 11507; ASTM-D-2565-92A
Marking	ACC303092 COMPOSITE ARMoured CABLE OIL RESISTANT FIRE RETARDANT UV RESISTANT T--40+90°TK

Housing	Optical camera		Thermal camera			Interface			
	BC822v2H3-SA	TC(R1)-336	TC(R1)-640	INT-RJ	INT-RJ5 INT-RJ10	INT-SM	INT-SM5 INT-SM10	INT-MM	INT-MM5 INT-MM10
EX-FIX24	✓			✓	✓	✓	✓	✓	✓
EX-FIX24W	✓			✓	✓	✓	✓	✓	✓
EX-FIX24T		✓	✓	✓	✓	✓	✓	✓	✓
EX-PTZ24	✓			✓	✓	✓	✓	✓	✓
EX-PTZ24T		✓	✓	✓	✓	✓	✓	✓	✓
EX-PTZ24D	✓	✓	✓	✓	✓				

*This charts also applies to the EX cameras versions for 115 Vac and 230 Vac.*

Housing	Optical camera		Thermal camera			Interface			
	BC822v2H3-SA	TC(R1)-336	TC(R1)-640	INT-RJ	INT-RJ5 INT-RJ10	INT-SM	INT-SM5 INT-SM10	INT-MM	INT-MM5 INT-MM10
SA-FIX24	✓			✓		✓		✓	
SA-FIX24W	✓			✓		✓		✓	
SA-FIX24T	✓	✓	✓	✓		✓		✓	
SA-PTZ24	✓			✓					
SA-PTZ24T		✓	✓	✓					
SA-PTZ24D	✓	✓	✓	✓					

*This charts also applies to the SA cameras versions for 115 Vac and 230 Vac.*

CROSS SECTION INT-SM CABLE



CROSS SECTION INT-RJ5/INT-RJ10 CABLE

