

BILL OF MATERIAL F2XX		
ITEM NUMBER	DESCRIPTION	QUANTITY
1	F2XX HOUSING	1
2	F2XX SUNSHEILD	1
3	F2XX GENERIC MOUNT ASSEMBLY [F2XX-GM]	1
4	F2XX WALL OR POLE MOUNT (ADDITIONAL SUGGESTED ACCESSORY)	1
5	.75" NPT TO M20 EX SS ADAPTER	1
6	F1XX GALVANIC CORROSION GASKETS [F1XX-WM-GCG/SD-WM-002] (SUGGESTED)	1
7	F1XX FALL PROTECT [SF-RSK] (SUGGESTED)	1
8	F2XX LENS PROTECTOR [F2XX-TO] (SUGGESTED)	1
9	EXTERNAL GROUND LUG (For 6mm or 10 AWG wire)	2
10	AIR SABER (SUGGESTED)	1

DETAIL 3A
GLAND ENTRY

Note

1. Installer to comply with applicable standard(s) for the correct selection and installation requirements of Flameproof / Explosion-proof 'Ex d' Gland, such as, if a Barrier Gland is required.

2. INSTALL SEAL WITHIN 18 inches. For Zones, install seal at entry.

DETAIL 3B
CONDUIT ENTRY

Note

1. Installer to comply with applicable standard(s) for the correct selection and installation requirements of Flameproof / Explosion-proof Conduit Fitting installations, such as, if a Conduit Seal is required.

2. INSTALL SEAL WITHIN 18 inches. For Zones, install seal at entry.

SPECTRUM
CAMERA SOLUTIONS

SPECIALIZING IN EXPLOSION PROOF TECHNOLOGY
8935 ALMEDA GENOA RD. HOUSTON, TEXAS 77075 USA
SERIAL:

FM
APPROVED

MADE IN USA

CE
2809

MODEL: **F203-PNB-A9082-01-01**
POE INPUT: IEEE 802.3bt, 90W;

TABLE 1

'T' CODE	AMB TEMP RANGE
T6/T85°C	-50°C TO +50°C
T5/T100°C	-50°C TO +55°C
T4/T125°C	N/A

TABLE 2

'T' CODE	AMB TEMP RANGE
T6	-50°C TO +48°C
T5	-50°C TO +55°C
T4	N/A

TABLE 3

'T' CODE	AMB TEMP RANGE
T87°C	-50°C TO +50°C
T102°C	-50°C TO +55°C
T127°C	N/A

US/Canada: Class I Division 1 Groups BCD **SEE TABLE 1**, Type 4X, IP66
Class II/III Division 1 Groups EFG **SEE TABLE 2**, Type 4X, IP66
Class I, Zone 1, AEx/Ex db IIB+H2 Gb **SEE TABLE 1**, Type 4X, IP66
Zone 21, AEx/Ex tb IIIC Db **SEE TABLE 3**, Type 4X, IP66

II 2 G Ex db IIB+H2 Gb **SEE TABLE 1**, IP66
II 2 D Ex tb IIIC Db **SEE TABLE 1**, IP66

CERT NO. FM24US0209X & FM24CA0056XIECEX FMG 24.0028X, & FM24ATEX0026X
WARNING: DO NOT OPEN WHEN ENERGIZED OR WHEN AN EXPLOSIVE ATMOSPHERE MAY BE PRESENT. Install seal within 18 inches.
WARNING: POTENTIAL ELECTROSTATIC CHARGING HAZARD – SEE INSTRUCTION **NOTE:** FOR BATTERY REPLACEMENT DETAILS- SEE INSTRUCTION
AVERTISSEMENT: NE PAS OUVRIR LORSQU'ENERGISE OU QUAND UNE ATMOSPHERE EXPLOSIVE PEUT ETRE PRESENTE. Les joints de fermeture sont obligatoires dans une distance de 18 pouces.
AVERTISSEMENT - RISQUE DE CHARGE ÉLECTROSTATIQUE POTENTIEL - VOIR LES INSTRUCTIONS. REMARQUE : POUR LES DÉTAILS SUR LE REMPLACEMENT DE LA BATTERIE, VOIR LES INSTRUCTIONS

CAMERA ELECTRICAL PARAMTERS	
Power Option All components	Power Option 2 Camera only
IEEE 802.3BT, 90 WATTS	IEEE802.3at, 13.6 W
HEATER ELECTRICAL PARAMTERS	
12VDC, 60WATTS	

0		Initial Design	7/19/25	CAH	HLR	***This Document is to be used in conjunction with the Installation Manual.***
REV #	ECO #	DESCRIPTION	DATE	REV BY	APPRVD. BY	XXXXX= MODEL NUMBER

DETAIL 1
GENERAL ARRANGEMENT

TERMINATION DETAIL

1	POE INPUT
2	EXTERNAL GROUND/ EARTHING
3	INTERNAL GROUND

OPTIONAL .75" NPT TO M20 REDUCER

Note 6

DATA INPUT

VARIABLE VDC OUTPUT

IEEE 802.3bt POWER INPUT/ DATA OUTPUT

HEAT SHRINKED COVERED/ ISOLATED DRAIN WIRE NOTE 5

STRUCTURE

This Document is to be used in conjunction with the Installation Manual.

DETAIL 2
TERMINATION GUIDE

DETAIL 4
MARKINGS

DETAIL 5
ELECTRICAL PARAMETERS