

Spectrum F219-CBXXX-CC-DD-EE-FF

Explosion-Proof 5MP & 8MP (4K) Fixed Cameras



Key Features

- Excellent Image Quality 5MP & 8MP (4K)
- POE and Redundant DC Power
- 4G Wireless option available
- SPF Media Converter option available
- Operating Temperature
 - See table on Page 2
- Front Glass Protective Film (F2XX-TO) included
- Reliable Securing Kit (SF-RSK) included
- Made in USA
- NDAA-Compliant
- cFMus, Class I/II/III, Division 1, Groups BCDEFG
- II 2 G Ex db IIB+H2 Gb
- II 2 D Ex tb IIIC Db, IECEx & ATEX approved
- 5 Year Warranty with Registration



All cameras are supplied with the F2XX-GM mount, as shown.



Part No.	Description	MP	F Number	Image Sensor
F219-CB52E-01-01	POE - IEEE 802.3bt - 90W	5.0	1.3 - 2.4	1 / 2.8
F219-CB52E-02-02	Media Converter (SFP) - 100 / 240 VAC - 50 / 60 Hz	5.0	1.3 - 2.4	1 / 2.8
F219-CB52E-02-03-02-RUT241	Wireless - Teltonika 4G - 100 / 240 VAC - 50 / 60 Hz	5.0	1.3 - 2.4	1 / 2.8
F219-CB52TE-01-01	POE - IEEE 802.3bt - 90W	5.0	1.5 - 2.8	1 / 2.8
F219-CB52TE-02-02	Media Converter (SFP) - 100 / 240 VAC - 50 / 60 Hz	5.0	1.5 - 2.8	1 / 2.8
F219-CB52TE-02-03-02-RUT241	Wireless - Teltonika 4G - 100 / 240 VAC - 50 / 60 Hz	5.0	1.5 - 2.8	1 / 2.8
F219-CB62E-01-01	POE - IEEE 802.3bt - 90W	8.0	1.3 - 2.4	1 / 2.8
F219-CB62E-02-02	Media Converter (SFP) - 100 / 240 VAC - 50 / 60 Hz	8.0	1.3 - 2.4	1 / 2.8
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F219-CB62TE-01-01	POE - IEEE 802.3bt - 90W	8.0	1.5 - 2.8	1 / 2.8
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F219-CB62TE-02-03-02-RUT241	Wireless - Teltonika 4G - 100 / 240 VAC - 50 / 60 Hz	8.0	1.5 - 2.8	1 / 2.8

For other combinations and selection matrix data sheet please visit <https://spectrumcamera.com>

Specifications

General																													
Casing	Aluminum																												
Weight	27 - 29 lbs (12.2 - 13.2 kgs)																												
Dimensions	19.25(L) x 7.41(H) x 6.64(W) in (498 x 188 x 163 mm)																												
Power	See models shown on previous page, or on Selection Matrix Data Sheet																												
Storage Conditions	-40°C to +60°C (-40°F to +140°F) Humidity 5-95% RH (non-condensing)																												
Operating Conditions	<table border="1"> <thead> <tr> <th>Part No.</th> <th>Certified Temperature °C (°F)</th> <th>Part No.</th> <th>Certified Temperature °C (°F)</th> </tr> </thead> <tbody> <tr> <td>F219-CB52E-01-01</td> <td>-50 to +50°C (-58 to +122°F)</td> <td>F219-CB62E-01-01</td> <td>-50 to +50°C (-58 to +122°F)</td> </tr> <tr> <td>F219-CB52E-02-02</td> <td>-50 to +50°C (-58 to +122°F)</td> <td>F219-CB62E-02-02</td> <td>-50 to +50°C (-58 to +122°F)</td> </tr> <tr> <td>F219-CB52E-02-03-02-RUT241</td> <td>-40 to +50°C (-40 to +122°F)</td> <td>F219-CB62E-02-03-02-RUT241</td> <td>-40 to +50°C (-40 to +122°F)</td> </tr> <tr> <td>F219-CB52TE-01-01</td> <td>-50 to +50°C (-58 to +122°F)</td> <td>F219-CB62TE-01-01</td> <td>-50 to +50°C (-58 to +122°F)</td> </tr> <tr> <td>F219-CB52TE-02-02</td> <td>-50 to +50°C (-58 to +122°F)</td> <td>F219-CB62TE-02-02</td> <td>-50 to +50°C (-58 to +122°F)</td> </tr> <tr> <td>F219-CB52TE-02-03-02-RUT241</td> <td>-40 to +50°C (-40 to +122°F)</td> <td>F219-CB62TE-02-03-02-RUT241</td> <td>-40 to +50°C (-40 to +122°F)</td> </tr> </tbody> </table>	Part No.	Certified Temperature °C (°F)	Part No.	Certified Temperature °C (°F)	F219-CB52E-01-01	-50 to +50°C (-58 to +122°F)	F219-CB62E-01-01	-50 to +50°C (-58 to +122°F)	F219-CB52E-02-02	-50 to +50°C (-58 to +122°F)	F219-CB62E-02-02	-50 to +50°C (-58 to +122°F)	F219-CB52E-02-03-02-RUT241	-40 to +50°C (-40 to +122°F)	F219-CB62E-02-03-02-RUT241	-40 to +50°C (-40 to +122°F)	F219-CB52TE-01-01	-50 to +50°C (-58 to +122°F)	F219-CB62TE-01-01	-50 to +50°C (-58 to +122°F)	F219-CB52TE-02-02	-50 to +50°C (-58 to +122°F)	F219-CB62TE-02-02	-50 to +50°C (-58 to +122°F)	F219-CB52TE-02-03-02-RUT241	-40 to +50°C (-40 to +122°F)	F219-CB62TE-02-03-02-RUT241	-40 to +50°C (-40 to +122°F)
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Approvals	<p>Hazardous Area FM3600, FM3615, ANSI/ISA/EN/IEC/CAN/ CSA-C22.2 60079-0, ANSI/UL/EN/IEC/CAN/ CSA-C22.2 60079-1, ANSI/UL/IEC/CAN/ CSA-C22.2 60079-31</p> <p>EMC EN 60032 Class A, EN 50121-4, IEC 62236-4, EN 60024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-003 Class A, VCCI Class A, RCM AS/NZS CISPR 32 Class A, KC KN32 Class A, KC KN35</p> <p>Safety IEC/EN/UL 60950-22, IEC/EN/UL 62368-1, IS 13252</p> <p>Environment IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-78, IEC/EN 60529 IP66/IP67, IEC/EN 62262 IK10, NEMA 250 Type 4X, NEMA TS 2 (2.2.7-2.2.9)</p> <p>Network NIST SP500-267</p>																												
Explosion-proof certification	<p>USA: FM24US0209X</p> <p>Canada: FM24CA0056X</p> <p>ATEX: FM24ATEX0026X</p> <p>IECEX: IECEX_FMG_24.0028_000</p>																												

Accessories for the F200



F2XX-GM
General Mount
(Supplied with camera)



F2XX-TO
Front Glass
Protective Film
(Supplied with camera)



SF-RSK
Reliable
Securing Kit
(Supplied with camera)



F2XX-WM
Fixed Wall
Mount



F2XX-PM
Fixed Pole
Mount

Approvals & Dimensions

Non-Wireless Versions

SPECTRUM CAMERA SOLUTIONS
SPECIALIZING IN EXPLOSION PROOF TECHNOLOGY
8935 ALMEDA GENOA RD. HOUSTON, TEXAS 77075 USA

FM APPROVED MADE IN USA
MODEL: F219-CB52E-01-01
POE INPUT: IEEE 802.3ah, 90 W;
VAC INPUT: N/A;
VDC INPUT: N/A;

CE 2809

TABLE 1

'T' CODE	AMB TEMP RANGE	'T' CODE	AMB TEMP RANGE
T6	-50°C TO +40°C	T6	-50°C TO +55°C
T5	-50°C TO +35°C	T5	N/A
T4	-15°C TO 25°C	T4	N/A

TABLE 2

'T' CODE	AMB TEMP RANGE	'T' CODE	AMB TEMP RANGE
T6	-50°C TO +40°C	T6	-50°C TO +55°C
T5	-50°C TO +35°C	T5	N/A
T4	N/A	T4	1532°C

TABLE 3

'T' CODE	AMB TEMP RANGE	'T' CODE	AMB TEMP RANGE
T6	-40°C TO +40°C	T6	-40°C TO +55°C
T5	-40°C TO +35°C	T5	N/A
T4	N/A	T4	1532°C

ENTRY DEVICE US/Canada: Class I Division 1 Groups BCD [SEE TABLE 1], Type 4X, IP66
ENTRY N° X Class II/III Division 1 Groups EFG [SEE TABLE 2], Type 4X, IP66
NPT Class I, Zone 1, AEx/Ex db IIB+H2 Gb [SEE TABLE 1], Type 4X, IP66
M25 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 OUVRIER LORSQU'ENERGIE OU QUAND UNE ATMOSPHERE EXPLOSIVE PEUT ETRE PRESENTE. Les joints de fermeture sont obligatoires dans une distance de 18 pouces.

Wireless Versions

SPECTRUM CAMERA SOLUTIONS
SPECIALIZING IN EXPLOSION PROOF TECHNOLOGY
8935 ALMEDA GENOA RD. HOUSTON, TEXAS 77075 USA

FM APPROVED MADE IN USA
MODEL: F219-CB52E-02-03-02-RUT241
POE INPUT: N/A;
VAC INPUT: 100-240 VAC, 50/60Hz;
VDC INPUT: N/A;

CE 2809

TABLE 1

'T' CODE	AMB TEMP RANGE	'T' CODE	AMB TEMP RANGE
T6	-50°C TO +40°C	T6	-50°C TO +55°C
T5	-50°C TO +35°C	T5	N/A
T4	-15°C TO 25°C	T4	N/A

TABLE 2

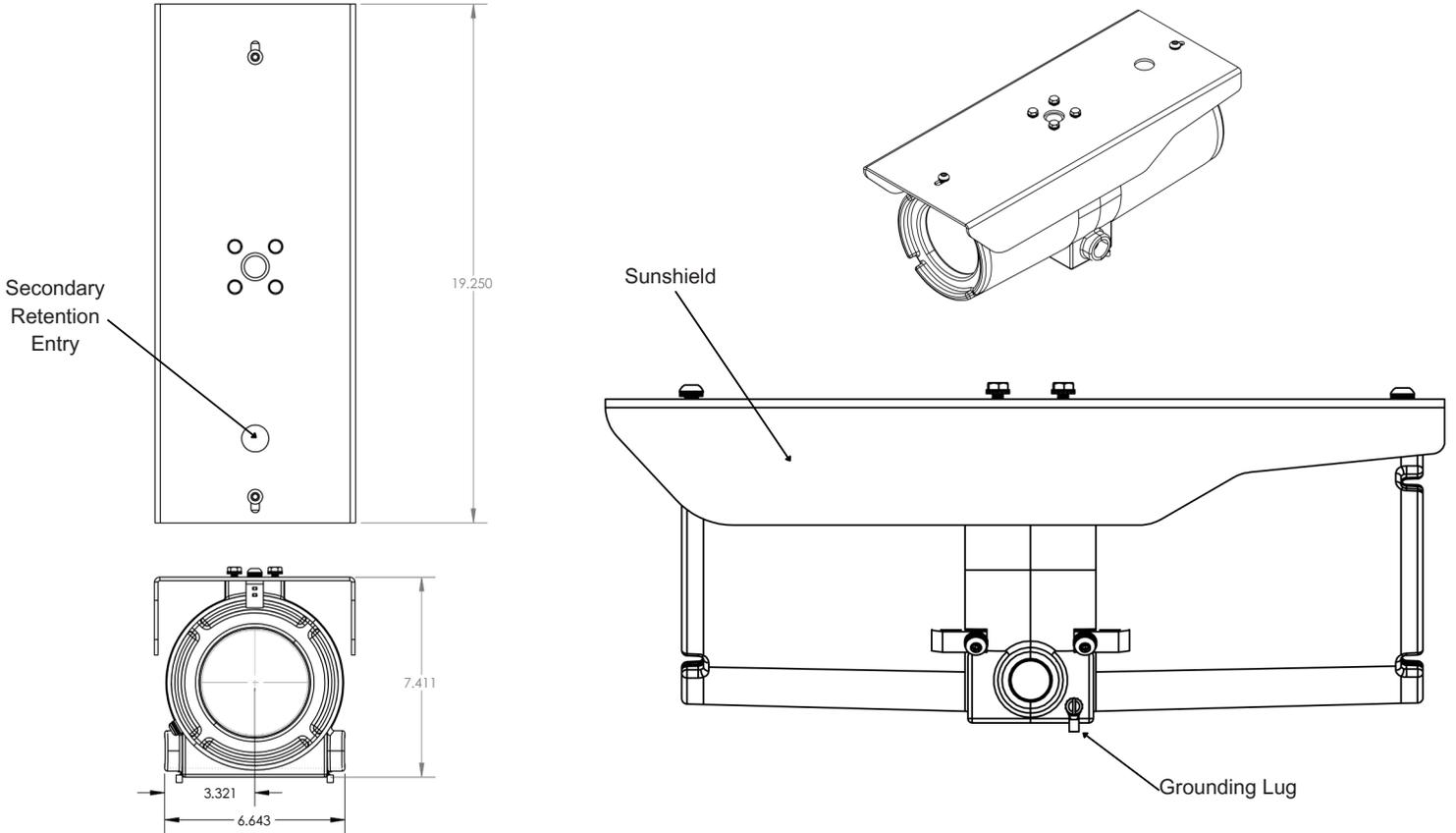
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T5	-40°C TO +35°C	T5	N/A
T4	N/A	T4	1532°C

ENTRY DEVICE US/Canada: Class I Division 1 Groups BCD [SEE TABLE 1], Type 4X, IP66
ENTRY N° X Class II/III Division 1 Groups EFG [SEE TABLE 2], Type 4X, IP66
NPT Class I, Zone 1, AEx/Ex db mb [ja Ga] IIB+H2 Gb [SEE TABLE 1], Type 4X, IP66
M25 Zone 21, AEx/Ex mb tb [ja Da] IIIC Db [SEE TABLE 3], Type 4X, IP66
II 2 (1) G Ex db mb [ja Ga] IIB+H2 Gb [SEE TABLE 1], IP66
II 2 (1) D Ex mb tb [ja Da] IIIC Db [SEE TABLE 1], IP66

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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: RISQUE DE CHARGE ELECTROSTATIQUE POTENTIEL - VOIR LES INSTRUCTIONS. REMARQUE: POUR LES DETAILS SUR LE REMPLACEMENT DE LA BATTERIE, VOIR LES INSTRUCTIONS



Installation Cable & Gland Kits

Suitable for installation in Class I, II, III, Div 1, ABCDEFG IEC - Zone 1/21 IIC, IIIC environments.

The cable gland is supplied pre-installed onto one end of the 3-core cable.



- SCS-PWR-CBL-3C-D1-Z1-25 - (25 ft)
- SCS-PWR-CBL-3C-D1-Z1-50 - (50 ft)
- SCS-PWR-CBL-3C-D1-Z1-100 - (100 ft)
- SCS-PWR-CBL-3C-D1-Z1-200 - (200 ft)
- SCS-PWR-CBL-3C-D1-Z1-300 - (300 ft)

For additional sizes please contact us at sales@spectrumcamera.com

For use with the 120 / 240 VAC
F200 models only