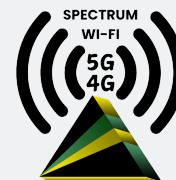


Spectrum

F201-M1137-MKII-02-03-02-RUT2x1

Explosion-Proof 5MP Fixed Camera



Key Features

- 5MP Image Quality
- Axis Lightfinder and Forensic WDR
- Electronic Image Stabilization
- Audio Input capability
- Front Glass Protective Film (F2XX-TO) included
- Reliable Security Kit (SF-RSK) included
- NDAA-Compliant
- cFMus, Class I/II/III, Division 1, Zone 1/21, IECEx and ATEX approved
- Operating Temperature:
Zone System: -50°C to +50°C (-58°F to +122°F)
(USA) Class/Division System: -40°C to +50°C (-40°F to +122°F)



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



Axis Camera Inside



Description

Spectrum F201-M1137-MKII-02-03-02-RUT2x1 explosion-proof network camera delivers excellent 5MP resolution. Enclosed in a red aluminum explosion-proof housing, it's certified (cFMus, IECEx and ATEX) for use in potentially combustible environments. The camera features Axis Lightfinder and Forensic WDR, it delivers rich colors and sharp details in challenging light or dark areas. It also offers DC-Iris for images with better contrast, clarity, resolution and depth of field and audio input allowing video recording with sound. Furthermore, electronic image stabilization and enhanced security features are included.

F201-M1137-MKII-02-03-02-RUT241 - 4G - Wireless Teltonika 4G - 120 / 240 VAC - 50 / 60 Hz

F201-M1137-MKII-02-03-02-RUT271 - 5G - Wireless Teltonika 5G - 120 / 240 VAC - 50 / 60 Hz

Specifications

Spectrum F201-M1137-MKII-02-03-02-RUT2x1

Camera		Network	
Image sensor	1/2.7" progressive scan RGB CMOS	Supported protocols	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS, TLS, QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP®, SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, SRTP/RTSPS, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SSH, LLDP, CDP, MQTT v3.1.1, Secure syslog (RFC 3164/5424, UDP/TCP/TLS), Link-Local address (ZeroConf)
Lens	Varifocal, IR corrected, CS-mount, DC-Iris 2.8–13 mm, 5MP: Horizontal field of view: 112°–24° 5MP: Vertical field of view: 82°–19° Minimum focus distance: 0.8 m (2.6 ft)		
Day and night	Automatically removable infrared-cut filter		
Minimum illumination	HDTV 5MP 25/30 fps with Forensic WDR and Lightfinder: Color: 0.17 lux, at 50 IRE F1.4 B/W: 0.03 lux, at 50 IRE F1.4 Color: 0.12 lux, at 30 IRE, F1.4 B/W: 0.02 lux, at 30 IRE, F1.4		
Shutter speed	WDR: 1/33500 s to 1/5 s		
System on chip (SoC)		System integration	
Model	ARTPEC-7	Application programming interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at axis.com One-click cloud connection ONVIF® Profile G, ONVIF® Profile M, ONVIF® Profile S, and ONVIF® Profile T
Memory	1024 MB RAM, 512 MB Flash		
Compute capabilities	Machine learning processing unit (MLPU)		
Video		Event conditions	Audio: audio detection Device status: IP address removed, network lost, new IP address, storage failure, system ready, (with i-CS: within operating temperature, above operating temperature, above or below operating temperature, below operating temperature) Edge storage: recording ongoing, storage disruption I/O: digital input, manual trigger, virtual input MQTT subscribe Scheduled and recurring: scheduled event Video: day/night mode, live stream open, tampering
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles H.265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG		
Resolution	5MP: 2592x1944 to 160x120	Event actions	File upload via FTP, HTTP HTTPS, SFTP, network share and email MQTT publish Notification via email, HTTP, HTTPS, TCP Video recording to edge storage, pre- and post-alarm video buffering, PTZ preset, guard tour, send video clip, send SNMP trap, day/night vision mode, WDR mode, status LED indicator, output port
Frame rate	Up to 25/30 fps in all resolutions		
Video streaming	Multiple, individually configurable streams in H.264, H.265, and Motion JPEG Axis Zipstream technology in H.264 and H.265 Controllable frame rate and bandwidth VBR/ABR/MBR H.264/H.265 Low latency mode	Built-in installation aids	Pixel counter
Image settings	Axis Forensic WDR: Up to 120 dB depending on scene, manual shutter time, compression, color, brightness, sharpness, contrast, whiet balance, exposure control (including automatic gain control), exposure zones, fine tuning of behavior at low light, aspect ratio correction, text and image overlay, privacy mask, mirroring of images.	Analytics	
Pan/Tilt/Zoom	Digital PTZ	Axis Object Analytics	Object classes: humans, vehicles Scenarios: line crossing, object in area, occupancy in area Up to 10 scenarios Other features: triggered objects visualized with color-coded bounding boxes Polygon include/exclude areas Perspective configuration ONVIF Motion Alarm event
Audio		Applications	Included AXIS Object Analytics, AXIS Scene Metadata, AXIS Video Motion Detection, AXIS Live Privacy Shield, active tampering alarm Supported Support for AXIS Camera Application Platform enabling installation of third-party applications
Audio streaming	Audio in, simplex, two-way audio via edge-to-edge technology	Cybersecurity	
Audio encoding	24bit LPCM, AAC-LC 8/16/32/48 kHz, G.711 PCM 8kHz, G.726 ADPCM 8 kHz, Opus 8/16/48 kHz Configurable bit rate	Network security	IEEE 802.1X (EAP-TLS, PEAP-MSCHAPv2), IEEE 802.1AE (MACsec PSK/EAP-TLS), IEEE 802.1AR, HTTPS/HSTS, TLS v1.2/v1.3, Network Time Security (NTS), X.509 Certificate PKI, host-based firewall
Audio input/output	External microphone input or line input, network speaker pairing		

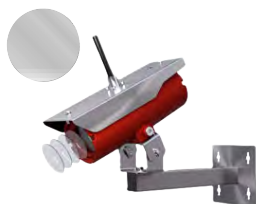
Specifications (continued)

General		Explosion-proof Certifications	USA: Class I Division 1 Groups BCD T6 Ta= -40°C to +50°C, Type 4X, IP66 Class II/III Division 1 Groups EFG Ta= -40°C to +50°C, Type 4X, IP66 Certificate: FM18US0262X Canada: Class I Division 1 Groups BCD T6 Ta= -50°C to +50°C, Type 4X, IP66 Class II/III Division 1 Groups EFG Ta= -50°C to +50°C, Type 4X, IP66 Class I, Zone 1, AEx/Ex db IIB+H2 T5 Gb Ta = -50°C to +50°C, Type 4X, IP66 Zone 21, AEx/Ex tb IIIC T85°C Db Ta = -50°C to +50°C, Type 4X, IP66 Certificate: FM18CA0126X ATEX: II 2 G Ex db IIB+H2 T5 Gb Ta = -50°C to +50°C, IP66 II 2 D Ex tb IIIC T85°C Db Ta = -50°C to +50°C, IP66 Certificate: FM18ATEX0073X IECEX: Ex db IIB+H2 T5 Gb Ta = -50°C to +50°C, IP66 Ex tb IIIC T85°C Db Ta = -50°C to +50°C, IP66 Certificate: IECEX FMG 18.0029X
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	90-240 vac 50/60hz		
Storage Conditions	-40°C to 65°C (-40°F to 149°F) Humidity 5-95% RH (non-condensing)		
Operating Conditions	Zone system: -50°C to +50°C (-58°F to +122°F) (USA) Class/Division system: -40°C to +50°C (-40°F to +122°F) Humidity 10-100% RH (condensing)		
Warranty	5-year limited warranty, see spectrumcamera.com/warranty		
Approvals	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 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 Safety IEC/EN/UL 60950-22, IEC/EN/UL 62368-1, IS 13252 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) Network NIST SP500-267	Video Management Software	AXIS Companion, AXIS Camera Station, video management software from Axis' Application Development Partners available at axis.com/vms
		Languages (Camera)	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese, Polish

Accessories for the F200



F2XX-GM
General Mount
(Supplied with camera)



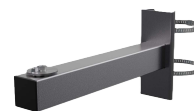
F2XX-TO
Front Glass
Protective Film
(Supplied with camera)



SF-RSK
Reliable
Securing Kit
(Supplied with camera)



F2XX-WM
Fixed Wall
Mount



F2XX-PM
Fixed Pole
Mount

Approvals & Dimensions

SPECTRUM
CAMERA SOLUTIONS

FM US
APPROVED

MADE IN USA

CE 2809

MODEL: F201-M1137-MKII-02-03-02-RUT241

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

POE INPUT: N/A;
VAC INPUT: 100-240 VAC, 90W, 50/60 Hz;
VDC INPUT: N/A;

SERIAL: _____

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 mb [ia Ga] IIB+H2 Gb [SEE TABLE 1], Type 4X, IP66
Zone 21, AEx/Ex mb tb [ia Da] IIIC Db [SEE TABLE 3], Type 4X, IP66

II 2 (1) G Ex db mb [ia Ga] IIB+H2 Gb [SEE TABLE 1], IP66
II 2 (1) D Ex mb tb [ia Da] 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 OUVRIRE LORSQU'ENRGEISE OU QUAND UNE ATMOSPHERE EXPLOSIVE PEUT ETRE PRESENTE. Les joints de fermeture sont obligatoires dans une distance de 18 pouces.
AVERTISSEMENT - RISQUE DE CHARGE ELECTROSTATIQUE POTENTIEL - VOIR LES INSTRUCTIONS. REMARQUE: POUR LES DETAILS SUR LE REMPLACEMENT DE LA BATTERIE, VOIR LES INSTRUCTIONS.

TABLE 1		TABLE 2		TABLE 3	
TEMP CODE	TEMP RANGE	TEMP CODE	TEMP RANGE	TEMP CODE	TEMP RANGE
T4/T5	-40°C TO +55°C	T6	-40°C TO +48°C	T8/T9	-40°C TO +55°C
T5/T6	N/A	T5	-40°C TO +55°C	T5	-40°C TO +55°C
T4/T5	N/A	T4	N/A	T4	N/A
T4/T5	N/A	T4	N/A	T4	N/A

SPECTRUM
CAMERA SOLUTIONS

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MADE IN USA

CE 2809

MODEL: F201-M1137-MKII-02-03-02-RUT271

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

POE INPUT: N/A;
VAC INPUT: 100-240 VAC, 90W, 50/60 Hz;
VDC INPUT: N/A;

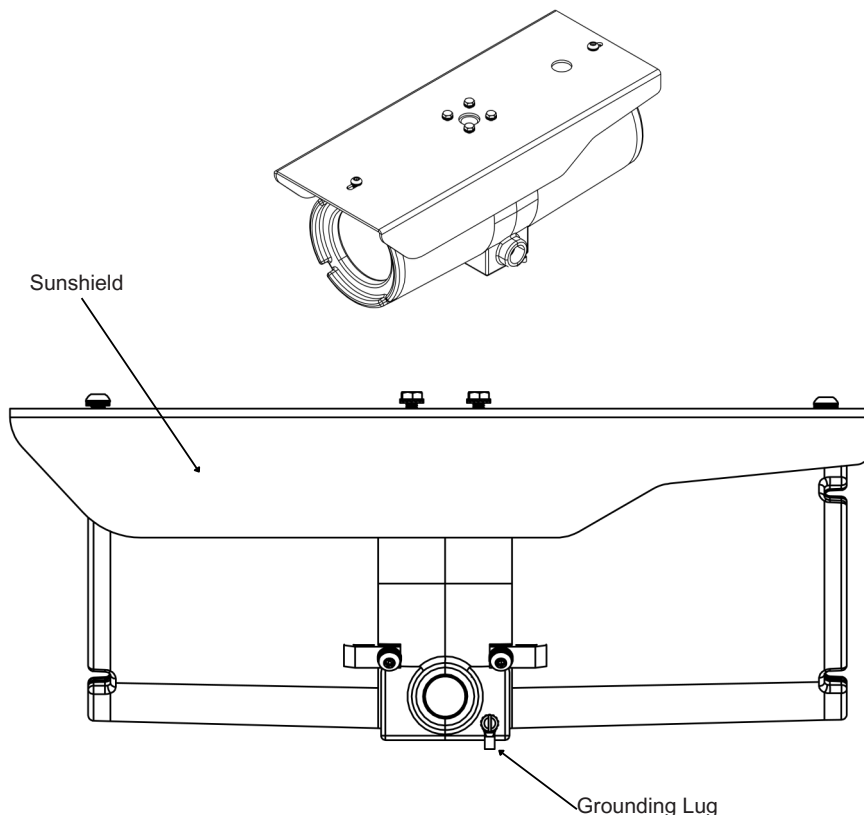
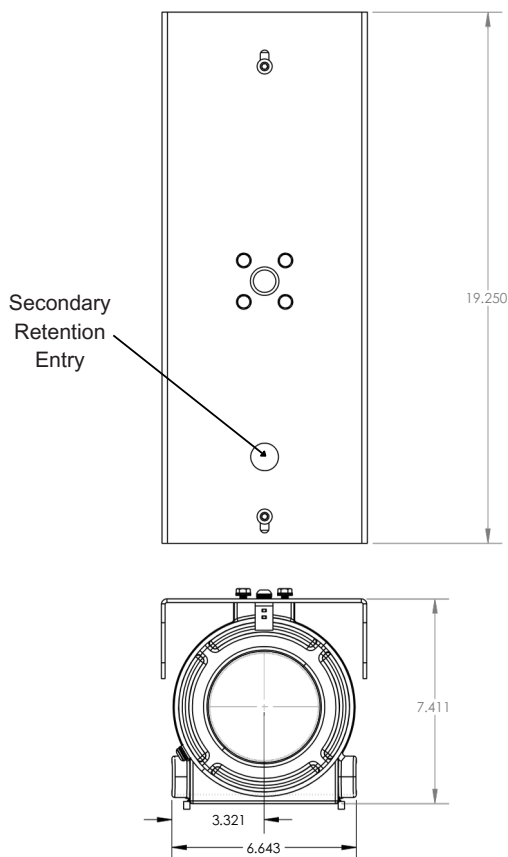
SERIAL: _____

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 mb [ia Ga] IIB+H2 Gb [SEE TABLE 1], Type 4X, IP66
Zone 21, AEx/Ex mb tb [ia Da] IIIC Db [SEE TABLE 3], Type 4X, IP66

II 2 (1) G Ex db mb [ia Ga] IIB+H2 Gb [SEE TABLE 1], IP66
II 2 (1) D Ex mb tb [ia Da] IIIC Db [SEE TABLE 1], IP66

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T5/T6	N/A	T5	-40°C TO +55°C	T5	-40°C TO +55°C
T4/T5	N/A	T4	N/A	T4	N/A
T4/T5	N/A	T4	N/A	T4	N/A



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