

Mobile HD Forward Facing Camera



The March Networks® **Mobile HD Forward Facing Camera** delivers high-quality video in the most challenging lighting conditions, including near darkness and bright sunlight, for indoor bus and rail deployments. The camera's powerful combination of Wide Dynamic Range (WDR), plus megapixel resolution (1080p), renders it the perfect solution for transit agencies requiring a ruggedized forward facing camera that captures exceptionally clear images and delivers flexible mounting options.



CLEAR IMAGES IN ANY LIGHTING CONDITION

The Mobile HD Forward Facing Camera allows operators to discern details in extremely low-light situations, such as routes with tunnels or overpasses, or at night. In addition, its WDR technology overcomes the severe backlight scenes often present in windshield applications, delivering clear images free of saturation and dark shadows.

VIDEO STREAMING

The camera's support for H.264 compression technology results in up to 20 times the efficiency of comparable JPEG-based IP cameras. This allows for archiving of higher-quality video for longer periods of time, while significantly reducing bandwidth and storage costs.

ENVIRONMENTAL PROTECTION

The Forward Facing camera is safely concealed inside a vandal-resistant, IP66 aluminum housing with a transparent polycarbonate cover. Its steel mounting bracket with tamper-resistant screws and hidden cabling enables the camera to withstand the tough environmental conditions

found on bus and rail vehicles. In addition, the camera provides dust and humidity ingress protection and complies with industry standard J1455 for shock and vibration in heavy-duty vehicle applications. An anti-glare cone affixes to the end of the camera, to minimize windshield glare and reflection.

ECONOMICAL AND FLEXIBLE

Power over Ethernet (PoE) eliminates the need for additional cables for power, making the camera quick and easy to install. It is available in ceiling and dash mount versions, to ensure a more flexible application.

ADVANCED, INTEGRATED SOLUTION

The Mobile HD Forward Facing Camera is supported by March Networks' Mobile DVRs (MDVRs) and Mobile Software for comprehensive video monitoring, recording and playback. The camera settings can be configured and monitored remotely over a wireless network or LAN/WAN for added convenience and operational efficiency. A camera tampering alarm will alert maintenance staff in the event of obscured, spray painted or covered cameras.

FEATURES

- **HD** 1080p video for high resolution color and clarity
- Wide Dynamic Range
- Progressive Scan CMOS sensor
- 4 mm F1.5 fixed lens with 78° angle of view
- Shock and vibration hardened (J1455)
- Dust and humidity protection (IP66)
- Vandal-resistant
- Wide temperature ranges
- Flexible power options: PoE, 12VDC
- Ceiling and dash mount versions
- Includes anti-glare cone (not shown)

PART NUMBERS

- 25467 – Camera with Ceiling Mount Bracket
- 25497 – Dash Mount Bracket



High definition image captured with the Mobile HD Forward Facing Camera



Standard definition image

Mobile HD Forward Facing Camera

CAMERA

Image Sensor	1/2.7" 2 MP progressive scan CMOS
Wide Dynamic Range	84 dB
Lens	4 mm, F1.5 fixed lens, 78° horizontal angle of view
Day/Night	Automatically removable infrared cut filter
Minimum Illumination	Color: 0.2 @ F1.5, B/W: 0.02 @ F1.5
Shutter Time	1/10000 s

VIDEO

Video Compression	H.264 (MPEG-4 Part 10/AVC)
Resolution	1920x1080
Frame Rate	30 fps @ 1920x1080
Video Streaming	Controllable frame rate and bandwidth CBR H.264
Image Settings	Brightness, sharpness, contrast, saturation, hue, exposure control, white balance control, digital zoom, dynamic range control, 3D noise reduction, day/night behavior, mirroring of images

GENERAL

Construction Camera	Polycarbonate transparent cover Black powder-coated aluminum housing IP66
Mounting Brackets	Black powder-coated steel
Power	Power over Ethernet IEEE 802.3af Class 2; 12VDC
Power Consumption	3.8W max
Connectors	RJ-45 for T/100BASE-TX PoE (IP66 rated) Power connector (3-pin terminal block)
Operating Conditions	14° to 122°F / -10° to 50°C Humidity 8 – 90% RH, non-condensing
Regulatory Approvals	EMC Directive 2004/108/EC; Automotive Directive 2004/104/EC; EN55022; EN50130-4; FCC Part 15 Subpart B; ICES-003; RoHS Directive 2002/95/EC
Shock/Vibration	SAE J1455/MIL-202F/MIL-STD-810
Camera Weight	
with Ceiling Mount	1.62 kg (3.56 lbs)
with Dash Mount	1.65 kg (3.64 lbs)
Included Accessories	Ceiling mount bracket, anti-glare cone
Optional Accessories	Dash mount bracket 8" tube extender (10 per package)

