



**FD7130**  
Mobile Surveillance  
Fixed Dome Network Camera

**Tamper Detection • PoE • EN50155**

VIVOTEK FD7130 is a flat, compact, dome style network camera designed for tough vehicular conditions, especially in public transportation applications such as buses, trains, etc. Its IP66-rated, metal housing effectively provides robust protection from being damaged by water and dust as well as vandalism. In compliance with EN50155, the standard for electronic equipment operating in railway vehicles, the FD7130 is an economical mobile surveillance solution packed with high reliability and rugged performance.

With the support of tamper detection, the FD7130 is a robust and intelligent camera, keeping security staff notified at all times once it suffers video loss from being blocked or spray-painted. The FD7130 utilizes PoE (Power-over-Ethernet), allowing it to be operated and powered from a single Ethernet cable, giving greater ease of installation and cost savings. In order to facilitate on-board storage and data portability, the FD7130 is also complete with a MicroSD/SDHC card slot for local recording.

The FD7130 also offers a broad spectrum of advanced features, including simultaneous dual streams, QoS for optimized bandwidth efficiency, IPv6 for next generation networks, temperature alarm trigger, HTTPS encrypted data transmission, and 802.1X authentication for secure network protection.

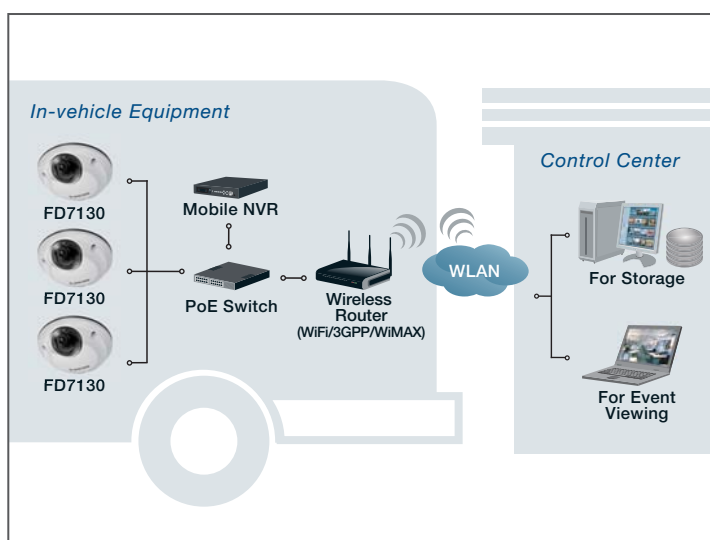
## Features

- > 1/4" CMOS Sensor in VGA Resolution
- > Wide Angle Fixed Lens
- > Real-time MPEG-4 and MJPEG Compression (Dual Codec)
- > Dual Streams Simultaneously
- > Tamper Detection for Unauthorized Changes
- > Temperature Alarm Trigger
- > Weather-proof IP66-rated Housing
- > Built-in 802.3af Compliant PoE
- > HTTPS Encrypted Data Transmission
- > 802.1X Port-based Authentication for Network Protection
- > MicroSD/SDHC Card Slot for On-board Storage
- > Includes Free Standard 32-CH ST7501 Central Management Software

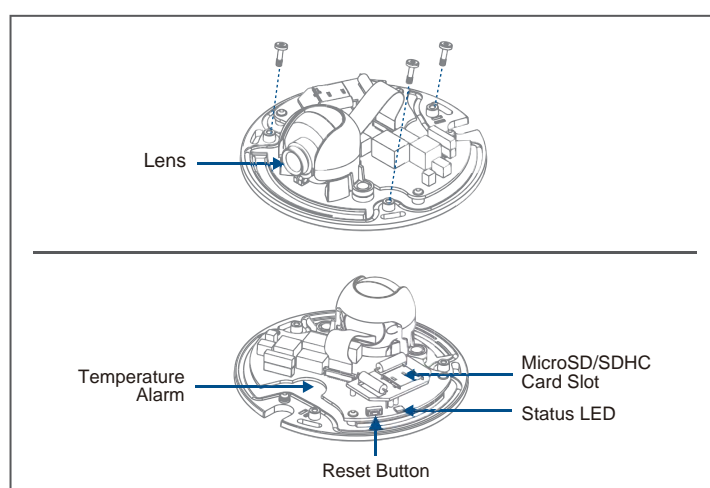
<b>System</b>	<ul style="list-style-type: none"> <li>CPU: Mozart 120 SoC</li> <li>Flash: 16MB</li> <li>RAM: 128MB + 128MB</li> <li>Embedded OS: Linux 2.6</li> </ul>
<b>Lens</b>	<ul style="list-style-type: none"> <li>Board lens, f = 2.8 mm, F2.0, Fixed</li> </ul>
<b>Angle of View</b>	<ul style="list-style-type: none"> <li>74° (horizontal)</li> <li>55° (vertical)</li> <li>92° (diagonal)</li> </ul>
<b>Shutter Time</b>	<ul style="list-style-type: none"> <li>1/5 sec. to 1/15,000 sec.</li> </ul>
<b>Image Sensor</b>	<ul style="list-style-type: none"> <li>1/4" CMOS sensor in VGA resolution</li> </ul>
<b>Minimum Illumination</b>	<ul style="list-style-type: none"> <li>0.5 Lux / F2.0</li> </ul>
<b>Video</b>	<ul style="list-style-type: none"> <li>Compression: MJPEG &amp; MPEG-4</li> <li>Streaming:                             <ul style="list-style-type: none"> <li>Simultaneous dual streams</li> <li>MPEG-4 streaming over UDP, TCP, HTTP or HTTPS</li> <li>MPEG-4 multicast streaming</li> <li>MJPEG streaming over HTTP or HTTPS</li> </ul> </li> <li>Supports activity adaptive streaming for dynamic frame rate control</li> <li>Supports 3GPP mobile surveillance</li> <li>Frame rates:                             <ul style="list-style-type: none"> <li>MPEG-4: Up to 30/25 fps at 640x480</li> <li>MJPEG: Up to 30/25 fps at 640x480</li> </ul> </li> </ul>
<b>Image Settings</b>	<ul style="list-style-type: none"> <li>Adjustable image size, quality and bit rate</li> <li>Time stamp and text caption overlay</li> <li>Flip &amp; mirror</li> <li>Configurable brightness, contrast, saturation, sharpness, white balance and exposure</li> <li>AGC, AWB, AES</li> <li>BLC (Backlight Compensation)</li> <li>Supports privacy masks</li> </ul>
<b>Networking</b>	<ul style="list-style-type: none"> <li>10/100 Mbps Ethernet</li> <li>Protocols: IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP and 802.1X</li> </ul>
<b>Alarm and Event Management</b>	<ul style="list-style-type: none"> <li>Triple-window video motion detection</li> <li>Tamper detection</li> <li>Temperature alarm trigger</li> <li>Event notification using HTTP, SMTP or FTP</li> <li>Local recording of MP4 file</li> </ul>
<b>On-Board Storage</b>	<ul style="list-style-type: none"> <li>MicroSD/SDHC card slot</li> <li>Stores snapshots and video clips</li> </ul>
<b>Security</b>	<ul style="list-style-type: none"> <li>Multi-level user access with password protection</li> <li>IP address filtering</li> <li>HTTPS encrypted data transmission</li> <li>802.1X port-based authentication for network protection</li> </ul>
<b>Users</b>	<ul style="list-style-type: none"> <li>Live viewing for up to 10 clients</li> </ul>
<b>Dimension</b>	<ul style="list-style-type: none"> <li>Ø 115 mm x 46 mm</li> </ul>
<b>Weight</b>	<ul style="list-style-type: none"> <li>Net: 359 g</li> </ul>
<b>LED Indicator</b>	<ul style="list-style-type: none"> <li>System restore status indicator</li> </ul>
<b>Power</b>	<ul style="list-style-type: none"> <li>Power consumption: Max. 4 W Max. 7.2 W (with heater)</li> <li>802.3af compliant Power-over-Ethernet</li> </ul>
<b>Housing</b>	<ul style="list-style-type: none"> <li>Metal housing for vandal protection</li> <li>Weather-proof IP66-rated Housing</li> </ul>

<b>Approvals</b>	<ul style="list-style-type: none"> <li>CE, LVD, FCC, VCCI, C-Tick</li> <li>EN50155</li> </ul>
<b>Operating Environments</b>	<ul style="list-style-type: none"> <li>Temperature: -25 ~ 50 °C (-13 ~ 122 °F)</li> <li>Humidity: 90% RH</li> </ul>
<b>Viewing System Requirements</b>	<ul style="list-style-type: none"> <li>OS: Microsoft Windows 2000/XP/Vista</li> <li>Browser: Mozilla Firefox, Internet Explorer 6.x or above</li> <li>Cell phone: 3GPP player</li> <li>Real Player: 10.5 or above</li> <li>Quick Time: 6.5 or above</li> </ul>
<b>Installation, Management, and Maintenance</b>	<ul style="list-style-type: none"> <li>Camera angle adjustment: pan ±10° and tilt 90° (0° ~ 90°)</li> <li>Rugged M12 or RJ45 connector</li> <li>Installation Wizard 2</li> <li>32-CH ST7501 central management software</li> <li>Supports firmware upgrade</li> </ul>
<b>Applications</b>	<ul style="list-style-type: none"> <li>SDK available for application development and system integration</li> </ul>
<b>Warranty</b>	<ul style="list-style-type: none"> <li>24 months</li> </ul>

## System Overview



## Internal View



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6F, No.192, Lien-Cheng Rd., Chung-Ho, Taipei County, Taiwan  
 Tel: +886 2 8245 5282 | Fax: +886 2 8245 5532 | E-mail: sales@vivotek.com

**VIVOTEK USA, INC.**

470 Lakeside Drive Suite C, Sunnyvale, CA 94085 USA

Tel: 408-773-8686 | Fax: 408-773-8298 | E-mail: salesusa@vivotek.com