



MOBILE DIGITAL VIDEO

Rugged.  
Reliable.  
Modular.

# TC-100



Integrian's TransitCam TC-100 digital video surveillance system satisfies demanding rail and transport requirements. It provides a scalable solution that is cost-effective through all stages of operation. TransitCam's iView software provides the management, security, file export and evidence collation required to ensure high crime closure rates, passenger security and asset protection.

## TRANSITCAM TC-100 FEATURES



- ✓ Storage on removable hard disk drive
- ✓ Long-term recording, 24 hours to 30 days
- ✓ Event recording in 15-minute segments
- ✓ Integrated multiplexer – view any camera on the vehicle from the driver display
- ✓ Isolated RS485 train data port and digital inputs and outputs
- ✓ Alarms triggered by crew, emergency or obstructed cameras (covered/painted)
- ✓ Connection to Portable Service Unit (PSU) via COM port
- ✓ High quality camera, only requiring a single twisted pair cable for video signal and power
- ✓ Internal power supply, isolated and protected to meet rail standards
- ✓ Passenger emergency video recorded at high resolution, protected against overwrite, with up to 30 minute pre-record prior to the event
- ✓ Rail standard halogen-free construction
- ✓ Automatic daylight savings correction





**TRANSITCAM®**

# TC-100 Specifications

## MOBILE DIGITAL VIDEO

### Video Resolution / Frame Rate

<b>NTSC</b>	D1, 1/2D1, SIF, VGA, 1/2VGA, 1/4VGA @ 30, 15, or 7.5 fps
<b>PAL</b>	4CIF, 2CIF, CIF @ 25, 12.5, or 6.25 fps

<b>Video Inputs</b>	4, 8, 12 and 16 camera inputs
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<b>Video Output</b>	Local video output - switched to any camera
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<b>Video Compression</b>	MPEG4 hardware compression
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<b>Video Storage</b>	Removable hard drive module, 100 GB (standard). Larger capacity available
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<b>Operating System</b>	Windows XP embedded
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### GPIO

<b>Inputs</b>	8 isolated digital inputs for passenger alarm and door status
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<b>Outputs</b>	2 relay isolated status and fault outputs
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<b>Communication Ports</b>	2 USB, 4 Ethernet, 1 VGA video out, 1 RS-232, 1 RS-485 / RS-422 Other configurations available
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<b>Wireless Interfaces</b>	GPRS; 802.11g/GSM/CDMA/Mesh with external router/modem
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<b>GPS Interface</b>	Supported with external GPS receiver-antenna module
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<b>Power Supply</b>	24VDC, 52VDC, 72VDC and 110VDC options available
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### Temperature Range

<b>Operating</b>	- 4°F to 131°F (- 20°C to 55°C)*
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<b>Storage</b>	-40°F to 185°F (-40°C to 85°C)
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<b>Dimensions</b>	Half width, 19" 4U rack unit (max. 4 camera input) Full width, 19" 4U rack unit Full width, 19" 3U rack unit
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### Standards & Compliance

<b>EMC/EMI</b>	EN-50121-3-2, FCC Part 15, SAE J1113, SAE J1455
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<b>Shock &amp; Vibration</b>	EN-50155, MIL-STD-810, SAE J1455, SAE J1211
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<b>Safety</b>	EN-60950, CSA 60950
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\*After initial warmup

### iView Management Software

TC-100 video recordings are reviewed using iView management software, which is used to view, analyze and export video clips or snapshots. iView can detect tampering with video recordings by reference to the digital watermarking so that video can be used as forensic evidence.

iView provides easy preparation and export of video clips and snapshots in a native AVI file format. Video clips can be exported for playback on CDRW's, VCR's and hard disks. Snapshots can be exported in .bmp and .jpg formats or sent to a printer for hard copy.



**INTEGRIAN®**

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