



p r e l i m i n a r y

professional projector series
F35 WQXGA

2560 x 1600 resolution
Full 24/7 warranty
12-bit colour depth
RealColor colour management



projectiondesign F35 WQXGA

- Realistic simulation and training
- Scientific visualisation
- Command and control
- GIS imaging and monitoring
- Security and defence
- World's first WQXGA DLP[®] projector
- 2560 x 1600 resolution (4.1 Megapixels)
- Active 3D stereo compatible
- High speed frame rates
- Frame-lock sync
- Smear Reduction Processing[™] – SRP[™]



F35 WQXGA

The new F35 WQXGA resolution projector sets an industry benchmark for projectors in its size and performance category. Featuring the latest high resolution DLP technology, all new high performance optics and lenses, updated signal processing with double the input bandwidth of any competing projector and built-in frame-lock synchronisation makes the F35 the ideal projector for multi-channel visualization and simulation applications, where realism and reliability are key criteria.

WQXGA (2560 x 1600) pixel resolution

The F35 enables complex display systems to be built with more pixels and fewer channels to reduce the Total Cost of Ownership. With native WQXGA resolution, the F35 has 78% more pixels than standard WUXGA resolution projectors to deliver incredible pixel density to eye-limiting resolution for much greater image detail and unprecedented clarity to add a whole new dimension to photo realistic imaging.

Frame-lock sync, and high frame rate display

When configured for multichannel display systems, the F35 can synchronize between multiple units to create a completely frame-locked system to increase timing accuracy – delivering the performance levels required for stereoscopic displays and high performance visualization and simulation systems. The F35 also features high speed frame rates for reduction of motion artefacts and Smear Reduction Processing™ to virtually eliminate image smear – an industry first for a 1-chip DLP® projector.

High performance projection lenses

The all-new projection lenses and optics in the F35 are custom designed for WQXGA resolution in order to provide the best possible performance. All lenses use special aspherical glass elements and enhanced Low Dispersion glass for increased contrast, improved colour saturation, and above all, excellent sharpness, for unsurpassed image clarity and incredible detail.

DLP® technology

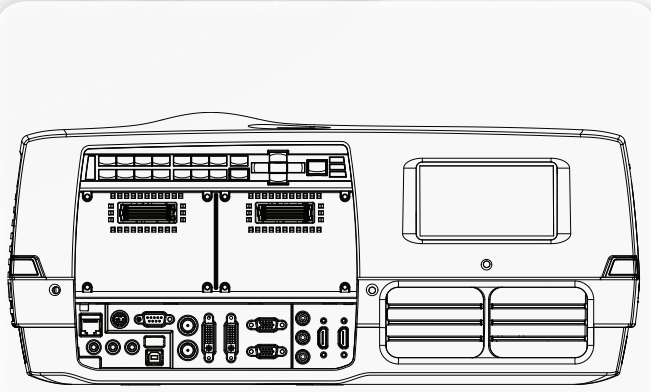
The F35 projector uses DLP® technology from Texas Instruments®, chosen for its proven reliability and performance under a wide range of imaging environments. Used in many military, education, simulation and training applications today, it is recognized for its long term stability of colour and consistent performance.

Technical specifications

projector	WQXGA resolution DLP® projector
concept	all glass optical design with replaceable projection lenses, lens shift, and mech. shutter
resolution	2560 x 1600 native
brightness	up to 6500 ansi lumens (tbc.)
contrast	about 8000 : 1 (adjusted)
bit planes / colour depth	12 bits per colour
I/O	2x Dual Link DVI, 2x HDMI, 2x analogue RGBHV, analogue video 2x XPort™ TCP/IP, RS232, IR Frame-lock sync in/out
colour management	RealColor™ colour management suite
lenses (ranges to be confirmed)	0.8 : 1 (EN 42) 1.2 - 1.7 : 1 (EN 43) 1.7 - 2.5 : 1 (EN41) 2.5 - 4.5 : 1 (EN 44)
3D stereographic	up to 1920 x 1200 @ 120 Hz
setup, calibration, control, asset management	ProNet™ setup and calibration tool, with built in asset management
installation	Table top or ceiling mount. 360 degree rotation around side-to-side axis
conformances	FCC Class A, CE, CUL
power requirements	8.4A 100-240V 50-60Hz, < 1050W
size (H x W x D)	376 x 510 x 223 mm
weight	about 12.5 kg / plus lens
warranty	limited 2 years warranty, full 24/7. Up to five years extended warranty available. Conditions apply.



The F35 WQXGA features 2560x1600 resolution, two individual lamps, full 24/7 warranty up to five years, and a very large range of precision projection lenses and other customization options.



The back of the F35 features a very comprehensive I/O section that includes frame sync in/out, 4 high band width digital inputs, standard analogue inputs, as well as a range of control and monitoring options.

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