

F35 series

High performance DLP projector for professional applications



Barco's F35 series is the world's most versatile professional projector range. Featuring models with up to 2560 x 1600 pixel resolution, a very comprehensive Ultra High Quality projection lens range, up to 7500 lumens, and both active and passive 3D stereo options, there is hardly any application too demanding.

The F35 series is the premier choice for a variety of applications as diverse as scientific and seismic visualization, medical imaging, high resolution financial data display, video conferencing, collaboration suites, simulation and visitor attractions and more in a variety of industries from oil and gas to aerospace and automotive, healthcare, defense & security, and media and entertainment.

Available models

The F35 series features four basic models, each with its unique features and user benefits. With 2560 x 1600 pixels, the F35 WQXGA is the highest resolution professional series DLP® projector available. Its 4.1 Megapixels resolution is essentially double that of standard WUXGA and 1080p models. It reduces system complexity and channel count in fixed resolution systems, or doubles the resolution in fixed channel count systems.

The WUXGA and 1080p resolution F35 AS3D models feature up to 120 Hz native refresh rate in mono or Active 3D stereo, without any sort of compression. This makes them the highest resolution single chip 3D projector models available. Where others use compression technologies that limit bandwidth to single link DVI, the F35 AS3D uses DualLink DVI for full 330 MHz bandwidth imaging.

Last but not least, the F35 panorama addresses the benefit for ultra wide imaging in advanced meeting and collaboration rooms, where many users are sharing content. With its exceptional 21:9 (2.37:1) panoramic image and 2560 x 1080 native resolution, it replaces a typical standard SXGA+ configuration using two projectors blended into one picture. Our objective with the F35 panorama is to enable the users to use cross-scale applications to outline their overview. In other words: display more information simultaneously, in one crispy clear, high resolution

BARCO

Visibly yours

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image!

Designed for 24/7 operation

Although far from all projectors are used as extensively as continuous operation, we still design ours to manage it. Moving components such as fans and colour wheels are certified to run around the clock and, providing regular maintenance intervals are followed, we even warrant every model for up to five years of continuous operation. Even if your requirements are not as extensively, it is good to know it has been designed with longevity and reliability as a key criteria.

Remote asset management and control

Each F35 series projector enables remote firmware upgrades over Ethernet (or locally from a USB memory stick), ensuring it is always up to date with the latest features and formats. It can also be managed as an asset using our ProNet.site software, as well as control any feature, operation mode or otherwise addressable feature over TCP/IP or RS-232.



Product specifications**F35 series**

Technology	single chip DLP® projector LVDS DMD™ with DarkChip3™
Concept	single chip, powered lens shift system
3D capability	INFITEC EX® 3D and Active Stereo
3D glasses compatibility	IRRF modelsDLPLink™
Color wheel	High Brightness VizSim Bright VizSim
Resolution	WQXGA (2560 x 1600)panorama (2560 x 1080)WUXGA (1920 x 1200)1080p (1920 x 1080)
Brightness	Up to 7500 lumens (Brightness levels are typical, and vary depending on colour wheel and lens used-)
Contrast	Up to 8000 : 1 (Contrast varies based on settings, colour wheels, and lens used.)
Aspect Ratio	16:10 (WQXGA)21 : 9 (2.37 : 1) (panorama)16:10 (WUXGA)16:9 (1080p)
Display colors	30-bit RGB
Latency	~19 ms
Computer graphics formats	Up to 2560 x 1600 pixels input on all models. Output resolution depends on native resolution. AS3D compatible with WUXGA and 1080p models only.
Horizontal scan frequencies	10 - 150kHz
Vertical scan frequencies	48 - 190 Hz (resolution dependant)
Video formats	HDTV (1080p, 1080i, 720p)EDTV (576p, 480p)SDTV (576i, 480i)NTSC, PAL, SECAMprogressive scan
Lens operation	Motorized zoom, Focus, Shift, Iris and Mechanical shutter
Image width	0.5 - 10 m
Light source	2 x 300W UHP VIDI
Lamp lifetime	Up to 2000 hours (Full power)Up to 2500 hours (Eco mode)
Computer inputs	2 x DVI-I2 x HDMI 1.3a2 x VGA
Video Input	1 x Component1 x S-video
Control possibilities	1 x RJ-45 TCP/IP1 x 9-pin D-SUB RS2322 x 12V programmable trigger (3.5mm mini jack)1 x Wired Remote 3.5mm mini jack2 x USB
Dimensions	510 x 223 x 376 mm (WxHxD)
Weight	12.7 kg
Shipping Dimensions	780 x 370 x 520 mm (WxHxD)
Shipping Weight from Factory	20 kg
Power requirements	8.4A ~100-240V 50-60Hz Typical consumption: Max 815W@100V
Conformances	CCC, cCSAus, FCC Class A, cUL, UL and CE
Operating temperature	10 - 40 °C
Storage temperature	-20 - 60 °C
Operating humidity	20 - 80% RH
Storage humidity	10 - 90% RH
Color	Black metallic
Warranty	3 years, 500 hours or 90 days on lamp (whichever comes first). Up to 5 years total warranty available: Conditions apply.
24-7 documentation	This projector is designed and warranted for heavy duty 24/7 operation. Specific measures and design considerations have been made in order for it to comply with stringent requirements in challenging applications.
MTBF	34,662 hours
BTU per hour	