F35 series

High performance DLP projector for professional applications

- **Active and passive 3D stereo options**

- **Wide range of high-quality projection lenses**

- **Infrared (IR) for night vision stimulation**

Available in four models

- With its 2,560 x 1,600 (4.1 MP) resolution, the F35 WQXGA offers double the amount of megapixels compared to 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 F35 AS3D models feature a native refresh rate of up to 120 Hz in mono or Active 3D stereo, without compression. The F35 AS3D uses DualLink DVI for full 330 MHz bandwidth imaging.

- F35 panorama provides an ultra-wide image for advanced meeting and collaboration rooms, where various users are sharing content. With its exceptional 21:9 (2.37:1) panoramic image and 2,560 x 1,080 resolution, it replaces a typical standard SXGA+ configuration with two blended projectors or dual LCD Screen combination.

Infrared (IR) for night vision stimulation

Specifically for training and simulation, the F35 series projector is also available for night vision stimulation through IR (Infrared). Featuring special high contrast lenses, the F35 is a great solution when high brightness is required for daytime scenarios and great black levels and high contrast IR for night training.

Key features

- Up to 2,560 x 1,600 pixel resolution (F35 WQXGA)

- Up to 1,920 x 1,200 pixel Active 3D Stereo (F35 AS3D)

- Up to 2,560 x 1,080 pixel resolution (F35 Panorama)

- Designed and warranted for 24/7 operation

- Accurate color management through RealColor™ color management suite

- High-quality projection lenses with throw ratios from 0.74 – 4.30 : 1

BARCO

- DLP® technology for perfect colors and ultimate reliability Expandable and customizable I/O through X-PORT™ functionality

- Standard four digital inputs

- Up to five years warranty

RealColor™ color management

All F35 series projectors benefit from Barco's proprietary and highly accurate RealColor color management technology. The F35 series guarantee the right colors at any time and support REC709 color space. From factory, each projector is programmed with its individual abilities stored in its memory.

Hot-swap lamps

In addition to the continuous operation mode, lamps can be replaced whilst the projector is operating. Should lamps need replacement or fail during a presentation, the projector will continue running.

High-quality projection lenses

Because we make the world's highest resolution projectors, we also design and manufacture the world's highest resolution projection lenses. All lenses have an all-glass design using floating aspherical lens elements and ND glass. In combination with high F-numbers this results in great focus sharpness and a wide focus depth while maintaining an unmatched high ANSI contrast. A dedicated range of lenses optimized for IR (Infrared) support is also available.

Built-in Smear Reduction Processing - SRP™

All F35 series projectors feature flicker-free Smear Reduction Processing -SRP™ so that no external filters or shutters are needed -all processing is not only done internally, it's also fully adjustable and configurable. Combined with high frame rates up to 120 Hz, this ensures a smear-free image at any resolution and with fast-moving content.

Product specificaties	**F35 SERIES**
General specifications	
Concept	single chip, powered lens shift system
3D-mogelijkheid	INFITEC EX® 3D and Active Stereo
Compatibiliteit met 3D-brillen	IR, RF models, DLPLink™
Kleurencirkel	High Brightness / VizSim Bright / VizSim
Technologie	single chip DLP® projector LVDS DMD™ with DarkChip3™
Resolutie	WQXGA (2,560 x 1,600), Panorama (2,560 x 1,080), WUXGA (1,920 x 1,200), 1080p (1,920 x 1,080)
Helderheid	Up to 7,500 lumens (typical brightness, this can vary depending on the used color wheel and lens)
Contrast	Up to 8,000 : 1 (Contrast varies based on settings, color wheels, and lens)
Beeldverhouding	16:10 (WQXGA), 21 : 9 (2.37 : 1) (panorama), 16:10 (WUXGA), 16:9 (1080p)
Beeldschermkleuren	30-bit RGB
Latentie	~19 ms
Grafische indelingen computer	Up to 2,560 x 1,600 pixels input on all models. Output resolution depends on native resolution. AS3D compatible with WUXGA and 1080p models only.
Horizontale scanfrequenties	10 -150kHz
Verticale scanfrequenties	48 -190 Hz (resolution dependant)
Videoformaten	HDTV (1080p, 1080i, 720p), EDTV (576p, 480p), SDTV (576i, 480i), NTSC, PAL, SECAM, progressive scan
Lenswerking	Motorized zoom, Focus, Shift, Iris and Mechanical shutter
Beeldbreedte	0.5 -10 m
Lichtbron	2 x 300W UHP VIDI
Levensduur lamp	Up to 2,000 hours (Full power) / Up to 2,500 hours (Eco mode)
Computeringangen	2 x DVI-I, 2 x HDMI 1.3a, 2 x VGA
Video-ingang	1 x Component, 1 x S-video
Controlemogelijkheden	1 x RJ-45 TCP/IP, 1 x 9-pin D-SUB RS232, 2 x 12V programmable trigger (3.5mm mini jack), 1 x Wired Remote 3.5mm mini jack, 2 x USB
Afmetingen	510 x 223 x 376 mm (WxHxD)
Gewicht	12.7 kg
Verzendingsafmetingen	780 x 370 x 520 mm (WxHxD)
Verzendgewicht af fabriek	20 kg
Voedingsvereisten	8.4A ~100-240V 50-60Hz, typical consumption: Max 815W@100V
Conformiteiten	CCC, cNus, FCC Class A, cUL, UL and CE
Bedrijfstemperatuur	10 -40 °C
Opslagtemperatuur	-20 -60 °C
Vochtigheid in bedrijf	20 -80% RH
Vochtigheid bij opslag	10 -90% RH
Kleur	Black metallic
Garantie	3 years, 500 hours or 90 days on lamp (whichever comes first). Up to 5 years total warranty available: Conditions apply.
Altijd beschikbare documentatie	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/uur	less than 3,109

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