

# 3D Digital Video Package

An Integrated Solution for 3D Visualization



- The solution includes a powerful 3D projection system for today's most demanding "broadcast" environment. The solution relies on the dual stack 3D Digital Video Package which is equipped with extremely high resolution lenses. The Barco projectors are internally optimized for 3D projection. That way, most of the original light output is kept intact and there is no need for external polarization filters.
- The solution includes a digital video Player/Recorder that is a high-end, cost effective device to broadcast quality digital video. It is based on the new OMEGA Dual Deck system: a two-video-channel system in one chassis, specifically tailored for stereo broadcast, with its own audio.
- The solution includes a complete Dolby-surround configuration which will bring the highest level of realism, and which will make your public remember the experience they have seen.
- The passive 3D stereo display technology requires the use of a "non-depolarizing" screen. Barco is continuously evaluating different screen technologies in front and rear projection, in order to provide you with the screen that is best suited for your specific needs.
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- The 3D Digital Video Package is based on the principle of light polarization. The audience wears a pair of glasses of 2 opposite light polarization filters (one for the left eye and one for the right eye). The light of each projected image is pre-polarized and can only pass through the corresponding filter. Because this technique is based on the polarization of light, a non-depolarizing screen is required. Due to the 3D optimization of the projectors, this system offers high light output in dual projector configurations and is ideally suited for medium size to large size audiences. This configuration can also be used for generic non-3D presentations with images coming from a PC or a standard VHS player.

## Technische Daten

## 3D DIGITAL VIDEO PACKAGE

### Allgemeine technische Daten

BarcoGraphics-Paket für 3D-Digital-Video	Light Output 3,600 ANSI lumen
	LCD panel 3 active matrix poly-Si LCD panels resulting in an overall resolution of over 2.3 million pixels
	Compatibility Compatibility with image generators or electronic workstations with a resolution up to 1280 x 1024 pixels / 76 Hz
	Contrast Ratio 350:1 (full white/full black)
	Screen 244 x 183 mm
BarcoReality-Paket für 3D-Digital-Video	Light Output 5,500 ANSI lumen
	LCD Panel 3 active matrix poly-Si LCD panels with Micro Lens Array resulting in an overall resolution of over 3.9 million pixels
	Compatibility Compatibility with image generators or electronic workstations with a resolution up to 2000 x 1280 pixels / 76 Hz.
	Contrast Ratio 250:1 (full white/full black)
	Screen 426 x 320 mm
Audio	High performance Dolby Surround audio system delivered with : Amplifier : -5 channels -140 watts -Dolby Digital (AC-3) -5.1 decoding format Speakers : -5 -subwoofer
Allgemein	Compatibility All current video sources (PAL, SECAM, NTSC) in composite, S-VHS, RGB or component formats All current proposed HDTV, extended and improved TV standards  Weight Body + Lens 21-25 kg Shipping weight: max. 29 kg  Lens 1.36-2.1:1 zoom lens
Wiedergabegerät	OMEGA DUALDECK Video Input decoder and Video Output encoder -2 x 9GB drives are removable -Motion-JPEG Compression ratio as low as 3:1 -PAL / NTSC compatible -Genlock input locks analog video output to external sync -RS 422 machine control Sony / SMPTE protocol -Two channels of balanced CD quality audio per video channel -SDI link to projectors (optional) -User definable Play List / Loop
Screen	-Flat, non-depolarizing screen for front projection -Fixation on an existing wall -Option available for rear projection screen

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