

iQ R500

SXGA+, 5,000 lumens LCD projector



PRODUCT SPECIFICATIONS**IQ R500**

Light output	5,000 ANSI lumens
Resolution	SXGA+ (1400 x 1050)
Brightness uniformity	> 95 % for the total screen
Contrast ratio	> 800:1 (full white/full black)
Display	3 active matrix 1.4" diagonal SXGA+ polysilicon LCD panels with Micro Lens Arrays and a resolution of 1400 x 1050 pixels (aspect ratio 4:3). LCD panels are selected for a minimum of pixel defects.
Features	<ul style="list-style-type: none">▪ AutoImage▪ Advanced picture-in-picture▪ Seamless switching with effects▪ Standard cable basket▪ Standard light shutter▪ Advanced digital zoom
Picture-in-picture	Up to 4 sources simultaneously (2 data, 1 video and 1 SDI)
Inputs	<ul style="list-style-type: none">▪ 1x Configurable 5-Wire (BNC) for: Composite Video, S-Video, Component Video, RGBHV, RGBS, RGsB.▪ 1x Composite Video (BNC) (up to 7 Composite Video's when using all connectors on top input board)▪ 1x S-Video (4-pin mini-DIN) (up to 3 S-Video's when combining BNC's)▪ 1x VGA (D15 connector)▪ 1x DVI (Digital Visual Interface)
Communication	1x D9 connectors for RS232 In/Out 1x spherical IR receiver
Compatibility	<ul style="list-style-type: none">▪ All current video sources (PAL, SECAM, NTSC) in Composite, S-VHS, Component or RGB formats▪ All currently proposed HDTV, extended and improved television standards (1080i, 720p)▪ All computer graphics formats from VGA, SVGA, XGA, SXGA to UXGA▪ Most Macintosh computers▪ Electronic workstations with a resolution up to 1600 x 1200 pixels at 60 Hz▪ Most computer sources with a pixel clock up to 160 MHz▪ DVI sources up to SXGA+
Input source compatibility	1600 x 1200 (max. input)
Screen size	From 1-6m / 3-20ft.
Scan Frequencies	Horizontal 15kHz -110 kHz Vertical 25 Hz -150 Hz
Network connection	Refer to iQ Pro R500
On board display server	Refer to iQ Pro R500
Ambient temperature	5°C up to 40°C
Lamp	2x 250 Watt UHP lamp, in lamp housing, pre-aligned for max. light efficiency. Typical lamp system lifetime: Full Power Mode: 1,500 hrs (3,000 hrs in single lamp mode) Economy Mode: 3,000 hrs (6,000 hrs in single lamp mode)
Lenses	Fixed focal length lenses are available with a throw ratio of 0.85:1 (very short throw ratio, specially designed for rear screen on-axis projection) or 7.0:1 (long throw). Variable focus lenses with a throw distance of 1.3-1.8, 1.9-2.6, 3.0-6.0 times the screen width.(2.5% tolerance)
Lens Shift	Motorized V shift: -30% +110% For specific details per lens type: see lens product pages
Dust filters	High Quality Microfilter (side removeable)

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Noise Level	< 38dB
Mains Voltage	90V-255V
Power consumption	Max. 620 Watt
Power Dissipation	Max 2300 BTU/h
AC power	Power factor pre-regulated SMPS, 90-254 VAC / 50-60Hz
Weight	Net weight: Body only 12.9kg / 28.5 lbs. Shipping weight: • without lens: max.17.5 kg / 28.5 lbs. • with lens: max. 20 kg / 44 lbs.
Dimensions	Projector body with cable basket: 415 mm (max. W) x 195 mm (max. H) x 565 (max. D) Projector body without cable basket: 415 mm(max. W) x 195 mm (max. H) x 487 (max. D)
Safety Regulations	Compliant with UL1950 and EN60950
Electromagnetic Interference	Compliant with FCC rules & regulations, part 15 Class B and CE EN55022 Class B

Last updated: 24 Feb 2021

Technical specifications are subject to change without prior notice. Please check www.barco.com for the latest information.