RPU 205-270-271

Key Points

- 1-chip DLP™ digital technology rear-projector
- Choice of SVGA (800x600) or XGA (1024x768) native resolution
- New DDR-DarkChip2™ -12° for an excellent contrast ratio (>1000:1) on RPU 270-271
- Aspect Ratio 4:3
- New UWA lens (Ultra Wide Angle) on RPU205-271
- Wide band input board (270 MHz)
- New DVI input
- New robust RS485 control, plus RS232 control.
- New housing
- Mechanical dimensions compatible with RPU

The SIM2 DLP™ Rear-projection engines for Data and Video Input signals deliver the highest contrast, best image quality, operational reliability, serviceability to display your image 24/7/365.

Best image quality

The RPU 205-270-271 incorporates innovative, DLP™ Single Chip technology for a superb image quality. The new DDR - 12° Chip enables the RPU 270-271 to deliver both an impressive and superb contrast, resulting in a perfect image quality. It delivers outstanding color and brightness uniformity.

All under control

With SIM2 Software, you can easily set the rear-projection parameters and control your videowall. The SIM2 EasyWall 3 new software allows you to set all the parameters (contrast, brightness, colorimetry etc.) and construct a simple configuration.

Reliability

The inherent durability of the DMD™ and the long average life (10.000 hours*) of 120 W High Pressure Mercury dimmable lamp ensures low power dissipation, long lasting operation, "burn-in" and "flicker" effects free display at any time. The RPU 205-270-271 series are designed to reliably work in 24h/7days facilities. (*= in a 100 Watt configuration)

Easy installation

The rear-projection engine is packaged in one single carton box. The gross weight is around 11 Kg. The low net weight allows you to manage and install it very easy.

Maintenance

Easy operations allow technicians, installers and Engineers to access the inside of the engine for lamp, electronics and optics replacement, minimizing downtime for service and maintenance.

Technical specifications

Technology		- RPU 205: DLP™ - 1 chip DMD™ SDR - 10° - RPU 270-271: DLP™ - 1 chip DMD™ DDR DarkChip™ - 12°
DMD™ Panel resolution		- RPU 205: SVGA (800X600) - RPU 270-271: XGA (1024 x 768)
Aspect Ratio (W:H)		4:3
Optical lens		- RPU 205-271: UWA 0,63:1 - RPU 270: WA 0,737:1
Rear-projector	Brightness	- RPU 205: >600 ANSI lm (100% white field @ 8000°K) - RPU 270-271: >700 ANSI lm (100% white field @ 8000°K)
	Uniformity	> 90% ANSI measurement
	Contrast ratio	- RPU 205: > 250:1 ANSI "checkerboard" pattern > 400:1 "full on/full off" - RPU 270-271: > 300:1 ANSI "checkerboard" pattern > 1000:1 "full on/full off"
	Number of colors	16,777,216 colors
	Color Temperature	6000°K - 9000°K adjustable, 3500°K reachable
Lamp	Type	UHP 120 W/VIP 120 W
	Average life	10.000 hours* (50% survival @50% integral lm maintenance)
Horizontal frequency		15KHz - 110 KHz
Vertical frequency		48 Hz - 120 Hz (55 Hz - 65 Hz frame lock mode)
Analog bandwidth		170 MHz @ -3dB for graphic signals 8 MHz @ -2dB for video signals
Graphic Standard		from VGA (640x480) to UXGA (1600x1200) with internal scaling
Video Standard		automatic decoding PAL, NTSC, SECAM
Internal magnification		from 0,75x to 16x
Graphic Inputs		1 x RGB+HV (or YPrPb) on 75 ohm BNC connectors 1 x RGB+HV on HD15 connectors
Video inputs		1 x CVBS + S (in/out) on 75 ohm BNC connectors 1 x S-VIDEO (in/out) on miniDIN4 connectors ATSC HDTV is also supported on BNC or HD15 or DVI connectors
DVI Input/Output		Analog RGBHV (or YPrPb) + Digital RGB
Control Interface		Serial Interface RS232C or RS485 on DB9 in/out Connectors or USB (on request) for control from a remote PC- IR remote control handset (on request)
ELECTRICAL DATA		
	Main power supply	100 Vac - 240 Vac +/- 10%; Line Frequency 48 - 62 Hz
	Power consumption	Max 185 W (160 Kcal/h)
	Max current absorbtion	@ 120V: 1,5 Arms; @230V: 0,8 Arms
	Max Inrush current	30 A
	Fuse	T 3.15A H 5x20mm
	Mains Loop Through	@ 120V: max 5 units; @ 230V: max 10 units
MECHANICAL DATA		
	Engine dimensions	mm 336x183x228 (WxHxD)
	Package dimensions	mm 412x290x412 (WxHxD)
	Gross weight	11 Kg. with all accessory
ENVIRONMENTAL DATA		
	Exhaust air	48 °C (@ 35°C environment)
	Ambient temperature	Operating from 0° to +35°C Storage and transportation from -10°C to +55°C
	Humidity	from 10% HR to 90% HR (without condensation)
	Max Altitude	- Operating 4.000 m; - Transportation 11.000 m
	Installation Position	- Standard: horizontal (based on the rubber feet); - Vertical (with a vertical projection lens axis) - Allowable: tilt around the lamp axis: from 0° to 360°
SAFETY AND REGULATORY DATA		
Standard	Drop test	in compliance with UNI EN 22247 and 22248
	Safety	in compliance with EN 60950
	EMC Emission	in compliance with EN 55022
	EMC Immunity	in compliance with EN 55024

Accessories

	Easywall 3	PC based control sofwtare
	RC 2000	Remote control handset p/n 790010000

(*) Lamp life: the hours have been calculated under strict test conditions. Misuse or improper operating conditions may alter it.
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Due to constant product development, specifications and design might be subject to change without notice. RPU 205-270-271-World-January 2005

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