

Moordown Local History Society – Funding for Equipment

The use of a projector at the monthly meetings, to enable everyone to easily view pages from the web site as a large projected image, has proved to be a very popular feature of the meetings, and has been possible due to the kindness of Lyn Conway, who has arranged for us to have the use of a projector from her workplace.

Obviously, we cannot go on expecting that generosity to continue forever, and as the use of a projector has become an important part of the meetings, it would make sense for the Society to see if funding could be arranged, for the purpose of purchasing of our own unit?

Lyn has kindly prepared a quotation for the supply of such a device, from a selection offered by her employer, Hugh Symons.

A copy of that document is attached.

Looking through the various specifications, the unit from Hitachi (Model number CPRX94), which is listed as the second item on the list, would appear to be the most suitable for our needs.

Importantly, it includes a 3 year warranty for both projector *and lamp*. With the high cost of replacement lamps (well over £100) for units of this type, that is a very useful inclusion!

The specification of that model also offers a large number of options for connection to a wide variety of computers and peripherals.

At this time we are using a number of 'borrowed' computing devices at the meetings, and leaving open the biggest number of options for future equipment connections - either borrowed, or perhaps our own at some stage – seems to make sense.

Also attached is a brochure detailing the specification of the unit.

The only unfortunate aspect is that the price listed is exclusive of VAT. At 20% that's going to add quite a sum....unless we are exempt?....which I doubt!

Roger Shore

Moordown 2010 Committee (14.1.13)

QSC090113 - Historic Society



New projector Options

Code	Description	Part No.	Qty	Sell Price	Total Price
	Epson EB-X11 Educational Projector	EB-X11	1	£ 299.00	£ 299.00
Brightness (Normal)	2600 ANSI Lumens				
Lamp Life	5000 Hours				
Native resolution	XGA				
Aspect ratio	04:03				
Technology	3LCD				
Contrast ratio (typical)	3000:1:00				
Lens Throw Ratio	1.48 - 1.77:1				
Horizontal Keystone	-30 to +30 Degrees				
Vertical Keystone	-30 to +30 Degrees				
RGB ports quantity	1				
DVI-I ports quantity	1 x HDMI				
USB Control	Yes				
PC less Presentation	Yes				
RS-232 interface	Yes				
Wireless compliancy	No				
Network Capability	No				
Carry Case	No				
Included Accessories	Computer cable, Power cable, Remote control incl. batteries, User manual				
Dimensions W x D x H	295 x 226 x 77 mm				
Weight	2.3 Kg				
Warranty	3 Year De/Re Warranty and 3 Year Lamp Warranty				
Suitable for Education	Y				
	Hitachi CP-RX94 Educational Projector	CP-Rx-94	1	£ 325.00	£ 325.00
Brightness (Normal)	2600 ANSI Lumens				
Brightness (Eco)	1700 ANSI Lumens				
Lamp Life	5000 Hours				
Colour	Yes				
Native resolution	XGA				
Aspect ratio	04:03				
Technology	3LCD				
Contrast ratio (typical)	2000:1:00				
Lens Throw Ratio	30-300" (76-762cm)				
RGB ports quantity	2				
DVI-I ports quantity	1 x HDMI (HDCP Compliant)				
USB Control	No				
PC less Presentation	No				
RS-232 interface	Yes				
Wireless compliancy	No				
Network Capability	No				
Carry Case	No				
Included Accessories	Remote control with batteries (HL02771), Computer cable, Power cord, Lens cap, Security label, User manual (detail & concise)				
Dimensions W x D x H	306 x 224 x 77mm mm				
Weight	2.3 Kg				
Warranty	3 Years De/Re Install & 3 Years lamp Warranty				
	NEC M230X Educational		1	£ 355.00	£ 355.00
Brightness (Normal)	2300 ANSI Lumens				
Brightness (Eco)	1840 ANSI Lumens				
Lamp Life	6000 Hours				
Colour	Yes				
Native resolution	XGA				
Aspect Ratio	4:3				
Technology	LCD				
Contrast Ratio	2000:1				
Lens Throw Ratio	1.3 - 2.2 1				
Horizontal Keystone	0 Degrees				
Vertical Keystone	-30 to +30 Degrees				
RGB ports quantity	2				
DVI-I ports quantity	1 x HDMI				
Audio Out	Yes				
USB Control	Yes				
USB Memory Stick	Yes				
RS232 connection	Yes				
Wireless compliancy	No				
Network Capability	Yes				
Carry Case	Yes				
Included Accessories	IR Remote Control (RD-448E), Mini D-SUB Signal Cable (1.8 m).				
Dimensions W x D x H	339 x 99 x 257 mm				
Weight	2.9 Kg				
Warranty	3 Year de re install and 3 Year lamp warranty.				



From 2.48m
55" - 91" Diagonal

Plus VAT

CP-RX94

INNOVATE
The Future of Projection



EDUCATION LCD PROJECTOR

Designed for teaching environments, Hitachi's compact and light weight CP-RX94 portable education projector delivers a superb high contrast image. With simple user functionality teachers and students can set up their presentations in seconds.

Performance

- XGA resolution
- Light Output (Brightness):
2600 ANSI Lumens (Normal Mode)
- Direct on and Auto off
- 2000:1 Contrast ratio (Intelligent Eco Mode)
- Low noise level - 28dB in Eco Mode
- Daytime Mode
- Blackboard and Whiteboard Modes
- Customisable 'My Button'
- Anti Theft features:
 - Security bar
 - PIN-Lock
 - MyScreen PIN-Lock
 - Keypad Lock
 - Kensington Lock

Cost of ownership

- Long life lamp - lasts up to 5000 hours in Eco Mode
- Quick and easy set up and installation
- Automatic Eco not only saves power but it also prolongs the life of the projector lamp
- Light weight, making it easy to transport and move between rooms.

Environment



- Reduced plastic wastage during production due to the use of hot runners in moulds
- Reduction of CO2 emissions during transport due to 68%¹ decrease in carton volume
- The ECO button on the top of the projector provides automatic power saving
- Power saving mode is also engaged during standby
- Compliant with the EU Directive RoHS²

Hitachi have formulated an "Environmental Vision" to contribute towards building a sustainable society through business and product development.

Our goal is to develop life-enhancing technology that will contribute to and realise a truly sustainable society for current and future generations.



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CP-RX94 Technical Specifications

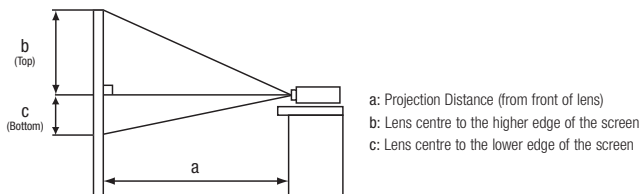
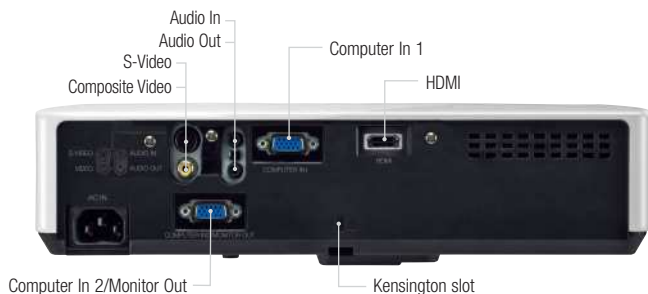


Image Size 4:3				
Screen Size (Diagonal)	Projection Distance (a)		Screen Height (cm)	
	Wide. (m)	Tele. (m)	b (top)	c (bottom)
30" (0.8m)	0.9	1.0	39	7
40" (1.0m)	1.2	1.4	52	9
50" (1.3m)	1.5	1.8	65	11
60" (1.5m)	1.8	2.1	78	13
80" (2.0m)	2.4	2.8	105	17
100" (2.5m)	3.0	3.6	131	22
150" (3.8m)	4.6	5.4	196	33
200" (5.1m)	6.1	7.2	261	44
300" (7.6m)	9.2	10.7	392	65

Image Size 16:9				
Screen Size (Diagonal)	Projection Distance (a)		Screen Height (cm)	
	Wide. (m)	Tele. (m)	b (top)	c (bottom)
30" (0.8m)	1.0	1.1	36	1
40" (1.0m)	1.3	1.5	49	1
50" (1.3m)	1.6	1.9	61	1
60" (1.5m)	2.0	2.3	73	2
80" (2.0m)	2.6	3.1	97	2
100" (2.5m)	3.3	3.9	122	3
150" (3.8m)	5.0	5.8	182	4
200" (5.1m)	6.7	7.8	243	6
300" (7.6m)	10.0	11.7	365	9



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1. Compared to CP-X467 projector packaging. 2. RoHS is the acronym of "Directive 2002/95 EC of the European Parliament and of the Council of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment." *The stated lamp and filter life refers to the average life expected in ideal operating conditions with usage in accordance with the manual. The majority of, but not all lamps and filters should achieve this figure. **A free replacement lamp will be issued if the original lamp is less than 3 years old and it has only been used for less than the hours stated on lamp warranty from the date of first use. Where a lamp fails and a replacement lamp is taken under warranty, the duration of the warranty for the replacement lamp shall be the remainder of the original warranty period only.
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OPTICAL	
LCD Panel	0.63" (1.6cm) P-Si TFT x 3
Resolution	XGA (1024 x 768)
Light output (Brightness)	2600 ANSI Lumens (Normal Mode) 1700 ANSI Lumens (Eco Mode)
Colour light output (Colour brightness)	2600 ANSI Lumens (Normal Mode) 1700 ANSI Lumens (Eco Mode)
Contrast ratio	2000:1 (Intelligent Eco Mode)
Lens	Manual focus, manual zoom x 1.2
Lamp wattage	215W UHP
Lamp life	3000 hours (Normal Mode)/5000 hours (Eco Mode)*
Distance to width ratio	1.5 (Wide), 1.7 (Tele)
Diagonal display size	30~300" (76~762cm)
Number of colours	8 Bit/colour, 16.7M colours
Keystone correction	Fixed, 6:1 upward shift

COMPATIBILITY	
Computer compatibility	IBM Compatible VGA, SVGA, XGA, WXGA, WXGA+, SXGA, SXGA+, UXGA, MAC 16" (Up to UXGA60Hz)
Video compatibility	NTSC/ PAL/ SECAM/ PAL-M/PAL-N/ NTSC4.43/PAL60
Component video	SDTV: 480i, 480p, 576i, 576p HDTV: 720p(@50/60Hz), 1080i(@50/60Hz), 1080p(@50/60Hz) DCC2B
Plug & Play	

FEATURES	
Speakers	1W Mono
Basic functions	Freeze, Magnifying, Blank, Auto adjustment, Search
Picture adjustments	Equalizing Gamma Correction, 2-3 pull down for NTSC, Progressive Scan, Noise Reduction
Digital keystone	Manual V keystone ±30 degrees (@XGA 60Hz)
Advanced features	MyScreen, My Memory, My Button, My Text, My Source, blackboard/whiteboard mode, Day Time mode, input source naming (English), resolution setting, Template, Closed Caption (for NTSC & component 480i only), Audio pass through
Outward	Easy lamp replace from top, Air filter on side
Power on & off	Direct On, Auto Off, Auto Eco Mode
Security systems	Security bar, PIN Lock, MyScreen Password Lock, My Text Password Lock, Key Lock (key pad, remote control), Kensington slot
OSD languages	English, French, German, Spanish, Italian, Norwegian, Dutch, Japanese, Portuguese, Simplified Chinese, Traditional Chinese, Korean, Swedish, Russian, Finnish, Polish, Turkey, Arabian, Persian, Czech, Danish, Hungarian, Romanian, Slovenian, Croatian, Greek, Lithuanian, Estonian, Latvian, Thai, Portuguese (Brazil), Indonesian, Vietnamese

CONNECTIONS	
Digital input	1 x HDMI (HDCP Compliant)
Audio input	1 x Stereo Mini
Audio output	1 x Stereo Mini
Computer input	2 x 15-pin Mini D-sub (shared with Monitor Out)
Monitor output	1 x 15-pin Mini D-sub (shared with Computer In 2)
Video input	2 x Component D-sub (shared with analogue RGB) 1 x RCA for composite 1 x Mini-DIN for S-Video

POWER	
Power supply	100-120V/220-240V, auto switching
Power Consumption/Standby	270W/<0.4W (AC 220 - 240V)

PHYSICAL	
Dimensions (W x H x D)	306 x 77 x 221mm (excluding feet and extrusions)
Weight	Approximately 2.3Kg
Noise level	35dB (Normal Mode)/28dB (Eco Mode)
Air filter	Urethane (up to 1000 hours)

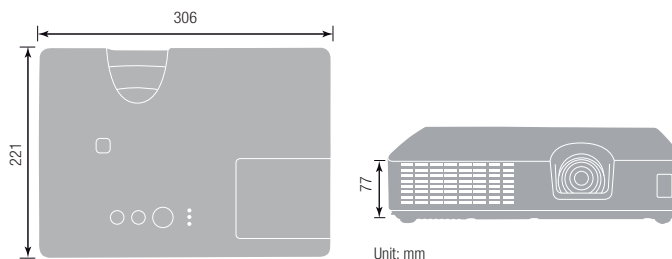
MISCELLANEOUS	
Lamp indicator lights (lamp, power, temp), Ceiling mount image, Rear projection image, Serial number label on side	

CERTIFICATION	
UL/C-UL, FCC Part 15 Class B, CE, AS/NZS CISPR22 ClassB, WEEE/RoHS/ErP(lot6) compliant, DEMKO-GS	

ACCESSORIES SUPPLIED	
Remote control with batteries (HL02771), Computer cable, Power cord, Security label, User manual (detail & concise)	

OPTIONAL ACCESSORIES	
Replacement lamp	DT01241 (with Intelligent Eco technology)

WARRANTY	
Projector warranty	3 Years
Lamp warranty	3 Years/5000 Hours**



Unit: mm