EDUCATION RANGE 2015/16
LCD Projectors and Interactive Flat Panels

Hitachi Education Range
Innovative, high quality technology, designed to bring ideas to life, engage and inspire the next generation.

Bringing our world of technological experience to your classroom, makes learning a pleasure and lessons intuitive. We understand the constraints of budgets and time, so have designed products that make the most of every lesson.

Projectors

A range of projectors designed for a wide range of applications. Reliable, cost effective and versatile, they will enhance any lesson or lecture.

CP-EX251N

CP-EW301N

CP-EX301N

LOW COST OF OWNERSHIP

INTELLIGENT ECO MODE
Intelligent Eco Mode automatically adjusts the lamp power and contrast ratio, depending on the brightness of the image on screen. Decreasing power by up to 70% when the image is dark and increasing it up to 100%, if the image is bright. This ensures the projector uses the optimum power for each image, reducing the amount of energy required and lengthening the life of the projector lamp.

SAVER MODE
If the projected image does not change within a set time of between 1 to 30 minutes, the screen saver mode automatically reduces lamp power by 70%, ensuring power use is kept to a minimum.

LONG LAMP LIFE
We have extended the life of your lamp by up to 10,000 hours, that's the equivalent to 4-6 hours a day for ten years making maintenance simple and cost effective.

CP-CX251N

CP-AX2505

RELIABILITY

DESIGNED TO PERFORM
All our projectors have been designed to give bright crisp images day after day, lesson after lesson. Knowing we have tested and retested every projector we produce to the limit, allows you to concentrate on the important things, like delivering exciting, engaging, memorable lessons.

ADVANCED NETWORK CONNECTIVITY

WIRELESS CAPABILITY
Wireless capability is an incredibly simple, flexible and practical solution for giving presentations or lessons in busy classrooms. The optional USB adaptor supports all IEEE 802.11b/g/n networks and enables your projector and computer to communicate directly via a wireless network.

CENTRALISED MANAGEMENT AND REPORTING
Make maintenance simpler by managing and controlling multiple projectors through your local area network from a single PC. Allowing you to log any projector that is due for maintenance, turn individual projectors on or off automatically, or create html reports.

iOS CONNECTIVITY
Users can wirelessly display documents, images or web pages from their iPad, iPod Touch and iPhone on one of our LCD projectors using our PJ Connection app.
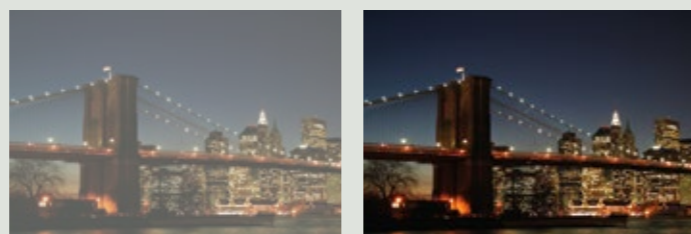
MESSENGER FUNCTION
Our Messenger function allows you to send messages to multiple networked projectors instantly or at specified times. Perfect for sharing any information that needs to go out to a large number of people quickly.

IMAGE QUALITY

HDCR AND ACCENTUALIZER
Hitachi's original Accentualizer technology makes pictures look more real by enhancing sharpness, gloss and shade. This can be adjusted by three levels according to your surroundings, by simply using one button on the remote control.

Our High Dynamic Contrast Range technology (HDCR) corrects blurred or poor quality images caused by bright environments. Resulting in, clear high contrast images even in the lightest classrooms.
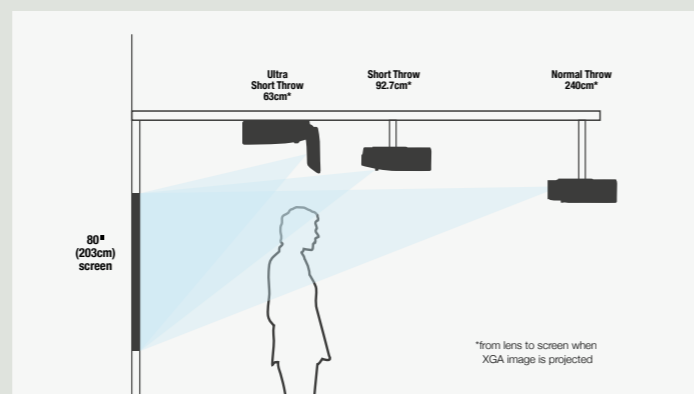
COST EFFECTIVE

VALUE FOR MONEY
With more and more demands being made on education these days, we realise every penny saved is important, every minute equipment not used, a waste. So we have invested all our experience and knowledge to bring you cost effective, innovative, reliable projectors. Making sure you enjoy using state of the art technology and your class enjoy effective, interactive and memorable learning.

ULTRA SHORT THROW TECHNOLOGY

INNOVATIVE SHORT THROW TECHNOLOGY
Project bright, clear, undistorted images in even the most compact spaces without having to face the glare from conventional projectors. Wall mounts and optional table top kits make them extremely flexible, allowing them to be used anywhere, transforming any whiteboard, table top, or wall into an exciting place of learning.

Ultra Short Throw 63cm*
Short Throw 92.7cm*
Normal Throw 240cm*

80" (203cm) screen

*from lens to screen when XGA image is projected

Projectors

Optical	CP-EW301N	CP-EX251N	CP-EX301N	CP-CX251N	CP-AX2505
Resolution	WXGA (1280 x 800)	XGA (1024 x 768)	XGA (1024 x 768)	XGA (1024 x 768)	XGA (1024 x 768)
Light Output (Brightness)	3000 Lumens (Normal) / 2460 Lumens (Eco1) / 2010 (Eco2)	2700 ANSI Lumens (Normal) / 2214 ANSI Lumens (Eco1) / 1809 ANSI Lumens (Eco2)	3200 ANSI Lumens (Normal) / 2624 ANSI (Eco1) / 2144 ANSI (Eco2)	2500 ANSI Lumens (Normal) / 2050 ANSI Lumens (Eco1) / 1675 ANSI Lumens (Eco2)	2700 Lumens (Normal) / 2214 Lumens (Eco1) / 1809 Lumens (Eco2)
Liquid Crystal Panel Structure	0.59" (1.5cm) P-Si TFT x 3	0.63" (1.6cm) P-Si TFT x 3	0.63" (1.6cm) P-Si TFT x 3	0.63" (1.6cm) P-Si TFT x 3	0.63" aspect ratio 4:3
Contrast Ratio	2000:1	2000:1	2000:1	2000:1	10000:1
Noise	37dB (Normal) / 32dB (Eco1) / 29dB (Eco2)	37dB (Normal) / 32dB (Eco1) / 29dB (Eco2)	37db (Normal) / 32db (Eco1) / 29db (Eco2)	36dB (Normal) / 32dB (Eco1) / 29dB (Eco2)	34dB (Normal) / 32dB (Eco1) / 28dB (Eco2)
Lamp Life (Hours)*	5000 hours (Normal) / 8000 hours (Eco1) / 10000 hours (Eco2)	5000 hours (Normal) / 8000 hours (Eco1) / 10000 hours (Eco2)	5000 hours (Normal) / 8000 hours (Eco1) / 10000 hours (Eco2)	5000 hours (Normal) / 8000 hours (Eco1) / 10000 (Eco2)	5000 hours (Normal) / 8000 hours (Eco1) / 10000 (Eco2)
Display Size	30" ~ 300" (76 ~ 762cm)	30" ~ 300" (76 ~ 762cm)	30" ~ 300" (76 ~ 762cm)	60" ~ 100" (152 ~ 254cm)	60" ~ 100" (152 ~ 254cm)
Throw Distance	0.9 ~ 11.5m	0.9 ~ 10.9m	0.9 ~ 10.9m	0.691 ~ 1.838m	0.103 ~ 0.463m
Lens	Manual focus, manual zoom x1.2	Manual focus, manual zoom x1.2	Manual focus, manual zoom x1.2	Manual focus, digital zoom x1.35	Powered focus, digital zoom x1.35
Keystone Correction	13:1 upward shift, fixed	6:1 upward shift, fixed	6:1 upward shift, fixed	Fixed 11.1:-1 upward shift	Fixed 7.7:-1 upward shift
Distance to Width Ratio (:1)	1.5 (Wide), 1.8 (Tele)	1.5 (Wide), 1.8 (Tele)	1.5 (Wide), 1.8 (Tele)	0.6	0.3
Physical					
Weight	3.0Kg	3.1Kg	3.1Kg	Approx. 3.4Kg	4.3Kg
Dimensions (W x H x D)	320 x 85 x 245mm (excluding feet and extrusions)	320 x 85 x 245mm (excluding feet and extrusions)	320 x 85 x 245mm (excluding feet and extrusions)	345 x 85 x 303mm (excluding feet and extrusions)	377 x 136 x 360mm (excluding feet and extrusions)
Power Consumption / Standby	310W / 0.5W at saving mode	310W / 0.5W (AC 220-240V) at saving mode	310W / 0.5W (AC 220-240V) at saving mode	290W / <0.5W (AC 220-240V) at saving mode	310W / <0.35W (AC 220-240V) at saving mode
Speakers	16W x 1 (mono)	16W x 1 (mono)	16W x 1 (mono)	1W x 1 (mono)	16W x 1 (mono)
Filter*	Unwoven (up to 5000 hours)	Unwoven	Unwoven	Hybrid (up to 4000 hours)	Hybrid (up to 4000 hours)
Connections					
Digital Input	1 x HDMI (HDCP compatible)	1 x HDMI (HDCP compatible)	1 x HDMI (HDCP compatible)	1 x HDMI (HDCP compatible)	2 x HDMI
Computer Input	2 x 15-pin Mini D-sub	2 x 15-pin Mini D-sub	2 x 15-pin Mini D-sub	2 x 15-pin Mini D-sub	2 x 15-pin Mini D-sub
Computer Output	1 x 15-pin Mini D-sub	1 x 15-pin Mini D-sub	1 x 15-pin Mini D-sub	1 x 15-pin Mini D-sub	1 x 15-pin Mini D-sub
Video Input	1 x RCA for composite	1 x RCA for composite	1 x RCA for composite	1 x RCA connector	1 x RCA composite
Audio Input	2 x 3.5mm stereo mini connector, 1 x pair RCA (L/R)	2 x 3.5mm stereo mini connector, 1 x pair RCA (L/R)	2 x 3.5mm stereo mini connector, 1 x pair RCA (L/R)	RCA (L/R) connector x 1	1 x stereo mini jack, 1 x pair RCA (L/R), 1 x microphone
Audio Output	1 x 3.5mm stereo mini connector	1 x 3.5mm stereo mini connector	1 x 3.5mm stereo mini connector	1 x RCA (L/R) connector	1 x 3.5mm stereo mini connector
Control	1 x 9-pin D-sub for RS-232C control	1 x 9-pin D-sub for RS-232C control	1 x 9-pin D-sub for RS-232C control	1 x 9-pin D-sub for RS-232C control	1 x 9-pin D-sub for RS-232C control
Wireless LAN / Wired LAN	No / Yes	No / Yes	No / Yes	No / Yes	Yes / Yes
PC-Less Presentation USB Type A	No	No	No	No	Yes
Mouse Control USB Type B	Yes	Yes	Yes	Yes	Yes
Wired Remote Control	No	No	No	No	No
Compatibility					
Computer	IBM Compatibility VGA, SVGA, XGA, WXGA, WXGA+, SXGA, SXGA+, UXGA (compressed), MAC16"	IBM Compatible VGA, SVGA, XGA, WXGA / WXGA+ / SXGA/ SXGA+ / UXGA (compressed), MAC16"	IBM Compatible VGA, SVGA, XGA, WXGA, WXGA+ / SXGA/ SXGA+ / UXGA (compressed), MAC16"	IBM Compatible VGA, SVGA, XGA, WXGA, WXGA+, SXGA, SXGA+, UXGA (compressed), MAC16"	IBM Compatible VGA, SVGA, XGA, WXGA / WXGA+ / SXGA / SXGA+ / UXGA (compressed), MAC16"
Video	525i(480i), 525p(480p), 625i(576i), 1125i(1080p@50/60)	525i(480i), 525p(480p), 625i(576i), 1125i(1080i@50/60), 750p(720p@50/60), 1125p(1080p@50/60)	525i(480i), 525(480p),626i(576i), 1125i(1080i@50/60), 750p(720p@50/60), 1125p(1080p@50/60)	525i(480i), 525(480p),626i(576i), 1125i(1080i@50/60), 750p(720p@50/60), 1125p(1080p@50/60)	525i(480i), 525(480p),626i(576i), 1125i(1080i@50/60), 750p(720p@50/60), 1125p(1080p@50/60)
Accessories Included					
Remote Control (with batteries)	HL03031	HL03031	HL03031	HL03035	HL03033
Other	Remote control HL03031	Power cable, computer cable, user manual	Power cable, computer cable, user manual	Power cable, computer cable, user manual, lens cover	USB wireless adapter USB-WL-11N, Wall mount unit HAS-WM03, TT-03 Table Top Kit for A7, Wall mount adaptor (XGA) HAS-WB01
Replacement Lamp / Lamp Wattage	DT01481	DT01481 / 225W	DT01481 / 225W	DT01511 / 225W	DT01511 / 225W
Projector / Lamp Warranty	3 Years / 3 Years** (for education and extended warranties please contact your local dealer.)	3 Years / 3 Years** (for education and extended warranties please contact your local dealer.)	3 Years / 3 Years** (for education and extended warranties please contact your local dealer.)	3 Years / 3 Years** (for education and extended warranties please contact your local dealer.)	3 Years / 3 Years** (for education and extended warranties please contact your local dealer.)

Interactive

The smart new Hitachi Interactive products have been designed to be simple to use and effective in the classroom. So all you need to do is walk in, turn it on and inspire.

HIT-FHD6516PC Touch
FHD-8410PC

CP-TW2505

INTERACTIVE SHORT THROW

Download the Layar App and scan the image above to discover the features of our Education Range.

SIX PERSON MULTI TOUCH

MULTI TOUCH TECHNOLOGY

Hitachi multi touch technology brings exceptional interaction and brightness to your lessons allowing up to ten† students to work together simultaneously. So instead of just watching, they can take part, personalise and interact with the on-screen content.

Integrated infrared sensors detect contact with the screen, giving you the ability to control your display by touching the image with the supplied stylus pen or your fingerᐃ. It has 100% light transmission because the technology is not an overlay, is incredibly accurate and maintains good performance even under direct light.

†Up to 6 with CPTW2505 & HIT-FHD6514/6516. Up to 10 with FHD-8510PC.
ᐃFT-01 unit must be added to CP-TW2505 to enable finger touch.

SCREEN FREEZE

SCREEN FREEZE

When working from a remote device, HIT-FHD6516 screen freeze feature lets you continue working without the audience knowing. This allows you to make your presentations more dynamic by editing and revealing new information in real time.

OPTIONAL BUILT IN PC

OPTIONAL BUILT IN PC

The option of an integrated PC eliminates the need to connect to an external source, so your Interactive Flat Panel Display is ready to use the moment it is switched on. It is also Bluetooth enabled, for convenient use with headsets, mouse or keyboard.

BUILT TO LAST

DURABLE

The Interactive Panel has 5mm toughened glass and a steel bezel surround, making it extremely strong and robust enough to work in even the busiest classrooms.

MOBILE HIGH DEFINITION LINK

MOBILE HIGH DEFINITION LINK

Hitachi Interactive Flat Panel and CP-TW2505 products come with a Mobile High Definition Link, which allows you to connect to your mobile phone, tablet or other portable device. Enabling Students and teachers to share their screens.

Optical	HIT-FHD6516PC TOUCH	FHD8410PC
LCD Component	65" TFT LCD [64.5" (163.8 cm) diagonal]	84" (2134.6 mm) diagonal
Backlight	Edge LED	Edge LED
Max. Resolution	1,920 x 1,080	1,920 x 1,080
Max. Colours	1.07 billion colours	1.06 billion colours (Dithered 10bit)
Brightness	360 cd/m²	350 cd/m²
Contrast Ratio	4000:1	1400:1
Viewing Angle (H/V)	178° / 178°	178° / 178°
Video Colour System	480i, 480P, 576P, 720P, 1080i/30, 1080i/50, 1080P/24	640 x 480, 800 x 600, 1024 x 768, 1280 x 720, 1280 x7 68, 1280 x 960, 1280 x 1024, 1400 x 1050, 1440 x 900, 1920 x 1080 (Progressive 60Hz)
Signal (Analog)	VGA, SVGA ,XGA, WXGA, FULL-HD	VGA, SVGA, XGA, WXGA, FULL-HD
Panel Life Time	30,000 hours	50,000 hours
Frequency	60Hz	60Hz
Touch Screen	Infrared Touch Screen (6 points touch screen support)	Infrared Touch Screen (10 points touch screen support)
Glass	Anti-Glare	Anti-Glare
Input Terminals		
Digital	HDMI x 2 supporting HDCP decoding	HDMI x 2 supporting HDCP decoding
Analog	VGA x 1 D-Sub 15 pin	VGA x 1 D-Sub 15 pin
PLUG & PLAY	DDC2B (VESA) for Computer HDMI-1,VGA	DDC2B (VESA) for Computer HDMI, VGA
Audio	Microphone mini 3.5mm jack x 1, Line out 3.5mm x 1	Microphone mini 3.5mm jack x 1, Line out 3.5mm x 1
Control (RS-232C)	D-Sub 9pin x 1 for device control	D-Sub 9pin x 1 for device control
USB Type A	USB x1 (for external usage of Touch screen)	USB B-type connector x1 (for external usage of Touch screen)
Output Terminals		
Audio	Line out (3.5mm mini jack) x 1	Line out (3.5mm mini jack) x 1
Control (RS-232C)	D-sub 9 pin x 1	D-sub 9 pin x 1
For External Speaker	Total 20W	Total 30W
OSD	Independent from languages, the OSD is iconic	Independent from languages, the OSD is iconic
Screen Freeze	Screen Freeze Capability	No
Speaker	10W + 10W	15W + 15W
TouchPanel		
Detection Method	Infrared blocking detection method, 6516 – 6 touch	Infrared blocking detection method, 8410 – 10 touch
Detection Area	1428.48mm (H) x 803.52mm (V)	1871±2 (H) x 1057±2 (V) mm
Touch Accuracy	±2mm (over 90% Area)	1mm
PC Connector	USB 2.0	USB 2.0
Driver	Win7/8 32/64bits OS inbox driver and driver for touch screen calibration	Win Multi Touch, Mac single touch support
Touch Pen	Passive stylus, finger or any IR opaque object.	Yes
Power Requirement	220V ~ 50Hz 1.2 A	110-240V 50-60Hz
Operating / Storage Temperature	Operating temperature: 0 - 50° celcius Storage temperature: -15 - 50° celcius	Operating temperature: 0 - 40° celcius Storage temperature: -15 - 50° celcius
Operating / Storage Humidity	90% relative humidity non-condensing	90% relative humidity / 90% relative humidity
Power Consumption Operating / Standby	270W / 1W	520W / 2.4W
Dimensions (mm)	1,562 x 93 x 960	1954 x 1139 x 109
Weight	57Kg	106Kg
Colour	White Bezel	White Bezel
Main Accessories	Power Cable (1450mm), IB, Remote Controller and Battery (CR2025 3V), HDMI Cable (1500mm), Dipole Wi-Fi antenna, Stylus Pen, Driver DVD, VESA Wall Mount	Remote Controller and Battery (CR2025 3V), Power Cable, Instruction Book, HDMI cable, 2 Antenna (PC Version), Driver DVD, Wall Mount Kit, USB A-B cable (non-PC Version)
Optional Accessories	Stylus Pen, USB A - B cable (non-PC Version)	Stylus Pen
Remote Control	Protocol: NEC6122 Carrier Frequency: 37.92KHz	Protocol: NEC6122 Carrier Frequency: 37.92KHz
Certification	RoHs, CB, S-Mark	RoHs, CB, S-Mark
VPS PC Specification (optional)		
Processor	Intel® 3rd Generation Core™ i3-i5	Intel 4000M i3
Operating System	Windows 8.1 Pro 64-bit	Windows 8.1 Pro 64-bit
Chipset	Intel® HM76 Chipset	HM86
Network		
WLAN	802.11 a/b/g/n Dual Band 2.4GHz-5GHz with MIMO support	802.11 a/b/g/n wireless support with MIMO
Bluetooth	Bluetooth 4.0	Bluetooth 4.0
LAN	10/100/1000 Mbps LAN support	10/100/1000 Mbps LAN support
USB	3.0 USB x 2, 2.0 USB x 2	3.0 USB x 2, 2.0 USB x 2
System Memory	4GB RAM, 500GB HDD	4GB RAM, 500GB HDD
Warranty	3 Year Warranty**	3 Year Warranty**

Optical	CP-TW2505
Resolution	WXGA (1280 x 800)
Light Output (Brightness)	2700 Lumens (Normal) / 2214 Lumens (Eco1) / 1809 Lumens (Eco2)
Liquid Crystal Panel Structure	0.59" aspect ratio 16:10
Contrast Ratio	10,000:1
Noise	34dB (Normal) / 32dB (Eco1) / 28dB (Eco2)
Lamp Life (Hours)*	5000 hours (Normal) / 8000 hours (Eco1) / 10,000 hours (Eco2)
Display Size	60-100" (152-254cm)
Throw Distance	0.126-0.41m
Lens	Powered focus, digital zoom x1.35
Keystone Correction	Fixed 4.6:-1 upward shift
Distance to Width Ratio (:1)	0.3
Interactive Features	Up to 6pen / touch finger write (option), PC less interactive, Windows 8 multi touch operation with up to 6pen / touch (option)
Physical	
Weight	<4.5Kg
Dimensions (W x H x D)	377 x 136 x 360mm (excluding feet and extrusions)
Power Consumption / Standby	330W / <0.35W (AC 220-240V) at saving mode
Speakers	16W x 1 (mono)
Filter*	Hybrid (up to 4000 hours)
Connections	
Digital Input	2 x HDMI
Computer Input	2 x 15-pin Mini D-sub
Computer Output	1 x 15-pin Mini D-sub
Video Input	1 x RCA composite
Audio Input	1 x stereo mini jack, 1 x pair RCA (L/R), 1 x microphone
Audio Output	1 x stereo mini jack
Control	1 x 9-pin D-sub for RS-232C control
Wireless LAN / Wired LAN	Yes / Yes
PC-Less Presentation USB Type A	Yes
Mouse Control USB Type B	Yes
Wired Remote Control	No
Compatibility	
Computer	IBM Compatible VGA, SVGA, XGA, WXGA / WXGA+ / SXGA / SXGA+ / UXGA (compressed), MAC16"
Video	525i(480i), 525(480p), 626i(576i), 1125i(1080i@50/60), 750p(720p@50/60), 1125p(1080p@50/60)
Accessories Included	
Remote Control (with batteries)	HL03033
Optional accessories	Finger Touch Unit FT-01, USB wireless adaptor USB-WL-11N, Table top mount TT-03, Wall mount unit (WXGA) HAS-WM05, Wall mount adaptor (WXGA) HAS-WB02, Interactive pen I-PEN4
Replacement Lamp / Lamp Wattage	DT01511 / 225W
Projector / Lamp Warranty	3 Years / 3 Years** (for education and extended warranties please contact your local dealer)