

3M™ Digital Projector X90w

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With its 4000 lumens*, crisp video and data image display, the 3M™ Digital Projector X90w, featuring wireless and wired LAN capabilities, is ideal for boardrooms, classrooms, multi-media and multipurpose environments. Advanced features like personalized settings, video enhancements and anti-theft deterrents, make the 3M X90w a great tool for presenting a professional image.



Features

- 4000 lumens*
- Wireless IEEE 802.11b/g
- Wired LAN
- Multi-image display (up to 4 PC images simultaneously when wireless)
- Optical Zoom
- Full Connectivity
- Quick Start and Instant Off
- Auto Vertical Keystone
- Input source naming
- SRS WOW™ Sound
- “My Button” personalized settings
- Whiteboard and Blackboard modes
- PC-less Presentations using:
 - USB Slot
 - SD Memory Card Slot
- Anti-Theft using:
 - Security Bar
 - Pin-Lock
 - “My Screen” Lock
 - Transition Detector
- Free Downloadable Software
- Hear audio the way it was intended – with amazing highs, full bass from the lows and realistic immersion. SRS WOW™ improves audio dynamics, and perception of low frequency bass and will make your presentations command attention.

*indicates maximum lumens rating

SRS
WOW

3M

3M™ Digital Projectors deliver crisp and bright presentations that help capture the attention of the audience and leave a lasting impression. Using wireless and networking technology, 3M has taken digital projection to the next level for the business, education and organization environments.

Wireless Connectivity

When a meeting or classroom requires multiple source presenters, displaying clear images without switching RGB cables between computers, puts the focus on the presentation instead of the cabling and connection issues. With the 3M X90w projector the Wireless Connectivity, with the included SD™ Wireless Card or the direct LAN connection, is the most hassle-free way to present. It's even possible to simultaneously project up to four images from wireless computers, allowing even more advanced and interactive presentations.



PC-Less Presentations

By using an SD memory card or a USB memory device, you can present .jpg, .png, .bmp and .mpeg4-SP files from the projector without being connected to a computer. This is ideal for those who make mobile presentations or for those who have security concerns about carrying their PC to different locations.



Just store files like your digital camera pictures on an SD card, or store .jpg data files on a USB memory device and insert either into the designated slot on the projector connection panel, and you're ready to display.

PC-Less Presentations

Storage devices: SD memory card and USB memory stick.

Compatible file formats: .jpeg, .png, .bmp, & .mpeg4-sp*

Maximum memory size: 2 GB (MPEG-SP is MEG4 Simple Profile and resolution is up to VGA and data rate is up to 1 Mbps)

Feature Descriptions

Quick Start and Instant Off: *The image will appear in just 3 seconds after Power On and the unit can be instantly powered off after a presentation.*

Input Source Naming: *Change the name of any input to one of your own choosing for easier use (i.e. change "RGB Input" to "Computer" or change "Audio Out" to "Speakers".)*

Auto Vertical Keystone: *Automatically performs Keystone Correction for an ideal screen setting, simply by pressing the button.*

My Button: *Two, user-programmable buttons on the remote control that may be set with any command.*

Resolution Preset: *Recognizes and resizes special resolutions, such as WXGA, and places them in the optimum position. User's own resolutions can also be stored as custom modes.*

Whiteboard and Blackboard modes: *Whiteboard mode helps reduce peak white brightness of projection on a whiteboard, reducing the health and safety risks of looking directly into reflected light. Blackboard Mode helps provide better color balance when projecting onto a colored background.*

Anti-Theft Security Bar: *Serving as both a visible and an actual deterrent, a steel security bar is connected to the chassis to help provide a strong anchor point for a lock chain.*

Pin-Lock: *A user preset key sequence must be input before the projector can be activated.*

My Screen Lock: *Users can personalize the start-up screen with a warning or ownership message and lock this screen with a pin code number.*

Transition Detector: *Locks the projector from use if the projection angle or settings are changed from the installed position. Requires a user-set numeric code for reactivation.*

Image Size 4:3		
Screen Size (Diagonal)	Projection Distance	
	Minimum (m)	Maximum (m)
40" (1.0)	47" (1.2)	57" (1.4)
60" (1.5)	71" (1.8)	86" (2.2)
100" (2.5)	120" (3.0)	144" (3.7)
150" (3.8)	181" (4.6)	217" (5.5)
200" (5.1)	241" (6.1)	291" (7.4)
300" (7.6)	363" (9.2)	437" (11.1)

Image Size 16:9		
Screen Size (Diagonal)	Projection Distance	
	Minimum (m)	Maximum (m)
40" (1.0)	51" (1.3)	62" (1.6)
60" (1.5)	78" (2.0)	94" (2.4)
100" (2.5)	131" (3.3)	157" (4.0)
150" (3.8)	197" (5.0)	237" (6.0)
200" (5.1)	263" (6.7)	317" (8.0)
300" (7.6)	395" (10.0)	476" (12.1)

Note: These sizes are + 10 percent. This is due to variations in the manufacture of the lens. If you are close to one of the endpoints you should verify with your unit that the image is the proper size at the proper distance.

PJ Management

With today's business resource constraints and budget concerns, having the ability to manage projectors installed in different classrooms or conference rooms from a single computer is a feature many companies and organizations are seeking.

Using the local area network within your facility or business, the projectors in various rooms are linked to a single computer. The IT manager is able to turn the projectors on and off in different rooms and perform various adjustments on the projectors from the single control room computer.

And for the manager charged with asset management and maintenance, the PJ Management feature allows checking the error status of all projectors by email. This helps ensure that the lamps and filters can be changed promptly, extending the life of the projector and reducing unexpected downtime.

The projectors can be set for individual or simultaneous on/off times, or can be changed from RGB to Video as the input source. The IT manager can manage up to 500 projectors at one time.

PJ Control

To help make it easier on the presenter or speaker, control of the projector can be done directly from the computer, via the network. Simply by operating a control bar on the computer screen, you or one of your associates can directly control functions being used for a presentation like the brightness, contrast, sharpness, aspect ratio, blank function on/off, and mute function on/off. The control bar on the computer provides easy-to-understand icons, helping to ensure convenient operation of volume input sources, and other adjustments during the presentation.

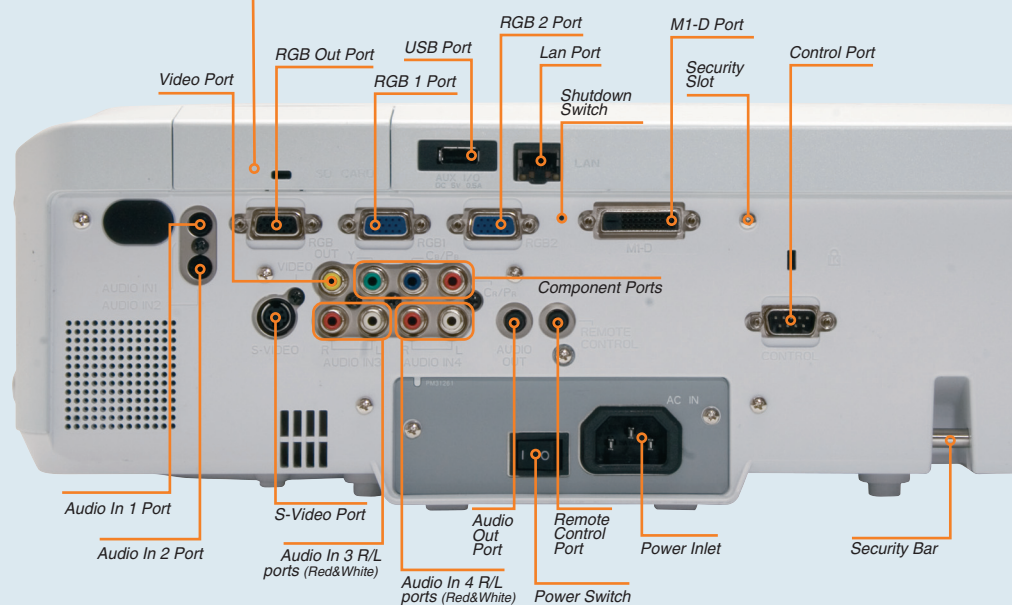
E-Shot

For special announcements, emergency information distribution, a unique sign in a hotel lobby or conference center, the downloadable E-shot software function can transmit up to four still pictures or files to a single projector via the local area network.

Full Connectivity



SD Card Slot Cover (SD Card Slot is inside)



3M™ Digital Projector X90w Specifications & Accessories

System Specifications

Video compatibility: SDTV/HDTV:	NTSC, NTSC 4.43, PAL, PAL-M, PAL-N, SECAM 525i (480i), 525p (480p), 625i (576i), 750p (720p@60Hz), 1125i (1080i@60Hz)
Digital Keystone Correction:	Vertical: ±40° Horizontal: ±20°
Audio:	4 x 4W
Startup Screen:	Customizable
Noise level:	Normal 39dB; Whisper 33dB
Horizontal scan:	31.5-106kHz
Vertical scan:	56-120Hz
Power consumption:	460W
Power supply:	Universal: 100-120V/220-240V, 50/60Hz
Regulatory approvals:	UL, cUL, FCC Part 15 Class B, CE, EN60950
Operating temperature:	41°-95°F (5°-35°C)
Storage temperature:	-4°-140°F (-20°-60°C)
Altitude:	Sea level to 6000 ft. (1,829m)

Optical

Resolution:	Native: True XGA (1024 x 768) Maximum: UXGA (1600 x 1200)
Imager set:	0.8", P-Si TFT Panel
Aspect Ratio:	4:3 native and 16:9 supported
Colors:	16.7 million true colors (24 bit)
Brightness:	4000 lumens (maximum rating)
Contrast Ratio:	1000:1
Projection lens:	F1.7-2.1, (f=24-29mm)
Lens Shift:	1:1 to 9:1 (vertical); 6:4 to 6:4 (horizontal)
Screen Size (range):	30-350 inches diagonal
Zoom / Focus:	Manual
Zoom Ratio:	1.2:1
Optional Lenses:	Short Throw, Long Throw & Ultra Long Throw
Lamp:	UHB 285W (Normal Mode), 228W (Whisper)
Lamp Life:	2000 hours (Normal Mode) Up to 3000 hours (Whisper Mode)

Size

Dimensions (W x H x D):	16.5 x 5.5 x 12.6 in. (418 x 139 x 319mm)
Weight:	15.6 lbs / 7.1kg

Warranties

See www.3m.com/us/meetings/warranties for details on warranties.

Projector:	3 Years Standard
Lamp:	90 days or 180 hours Remainder of 1 Year Prorated
Ultra Value Warranty Enhancement	Includes free lamp, free loaner while unit is being repaired and expedited service. Not available outside U.S.

Connections

Computer

- 3 - Analog RGB (2 inputs, 1 output)
- 1 - Digital RGB (1 input = M1-D)
- 1 - USB Mouse (M1-D)
- 1 - Serial Control
- 1 - Network Port
- 1 - SD Card Slot for Memory
Card and Wireless Card
- 1 - USB Port for USB Memory Stick

Wired LAN

- Standard: 10 BASE-T / 100 BASE-TX
- Connection: RJ-45

Wireless LAN

- Standard: IEEE 802.11g
- Wireless Interface: SD Card - Wireless 802.11g
- Operation Range: Up to 150 ft (46m)
- Frequency Range: 2.4GHz to 2.48GHz
- Channels: 1 to 10

Minimum System Requirements

Software Requirements:	Microsoft® Windows® XP Home Edition or Windows 2000 Professional
Hardware Requirements:	Minimum RAM: 64MB - 2000 / 128M - XP
Hard Drive Space:	10MB
CD:	CD-ROM Drive

Accessories Included

- Power Cords (US, UK, Europe)
- VGA/RGB Cable
- Remote Control (with laser)
- Multi-language Operator's Guide CD
- SD Wireless 802.11g card
- Free unlimited software downloads and updates available on our website at www.3m.com/meetings

Optional Accessories

- Ultra Value Enhanced Warranty (WX90w)
[U.S. Only] 78-6969-9894-3
- Lamp Replacement Kit (LKX90w) 78-6969-9893-5
- Ceiling Mount 78-6969-9905-7
- Universal Ceiling Mount 78-6969-9874-5
- Soft Rolling Bag 78-6969-9906-5
- Short Throw Lens 78-6969-9890-1
- Long Throw Lens 78-6969-9891-9
- Ultra Long Throw Lens 78-6969-9892-7

Technical Support

- Free unlimited software downloads and updates available on our website at www.3m.com/meetings
- Toll-free 24/7 Technical Support by calling 800-328-1371

www.3m.com/meetings

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