# 3M™ Digital Projector X90

With its 4000 lumens*, crisp video and data image display and wide selection of connectors, the 3M™ Digital Projector X90 is ideal for boardrooms, classrooms, multi-media and multipurpose environments. Advanced features like personalized settings, video enhancements and anti-theft deterrents, make the 3M X90 a great tool for presenting a professional image.

Video Port
RGB Out Port
RGB 1 Port
RGB 2 Port
Lan Port
Shutdown Switch
M1-D Port
Security Slot
Control Port
Component Ports
Audio In 1 Port
S-Video Port
Audio In 2 Port
Audio In 3 R/L ports (Red&White)
Audio In 4 R/L ports (Red&White)
Audio Out Port
Remote Control Port
Power Switch
Power Inlet
Security Bar
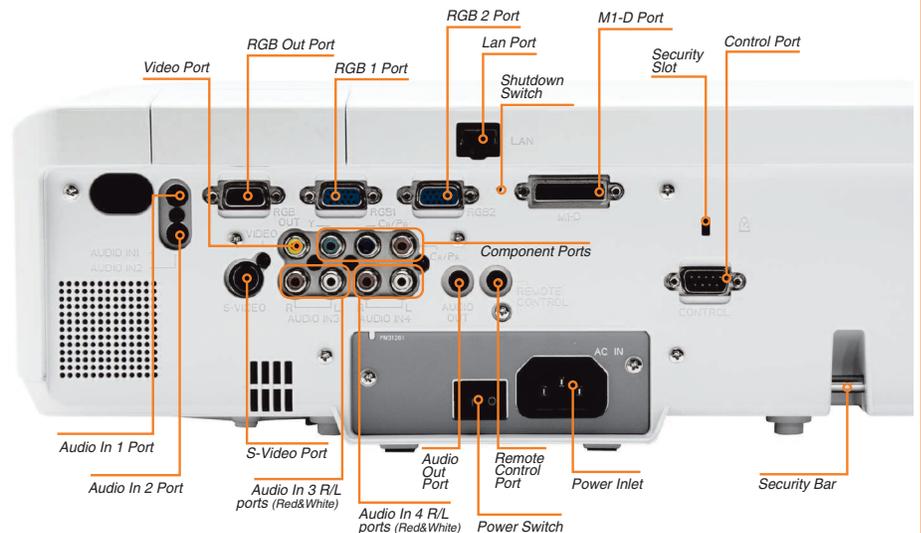
Features

- 4000 lumens*
- Wired LAN
- Optical Zoom
- Full Connectivity
- Quick Start and Instant Off
- Auto Vertical Keystone
- Input source naming
- SRS WOW™ Sound

- *My Screen, My Memory, My Button* personalized settings
- Whiteboard and Blackboard modes
- Anti-Theft Deterrents:
  - Security Bar
  - PIN-Lock
  - *My Screen* Lock
  - Transition Detector
- Free Downloadable Software
- Picture Freeze, Image Blank and Magnify (4x)

*indicates maximum lumens rating
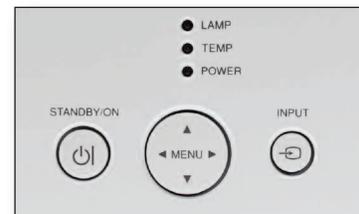
- Hear audio the way it was intended – with amazing highs, full bass from the lows and realistic immersion. SRS WOW™ improves audio dynamics, and perception of low frequency bass and will make your presentations command attention.

1-800-328-1371
www.3m.com/meetings

3M™ Digital Projector X90 Specifications & Accessories

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 4:6 (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)

System Specifications

Video compatibility:	NTSC, NTSC 4.43, PAL, PAL-M, PAL-N, SECAM
SDTV/HDTV:	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, WEEE
Operating temperature:	41°-95°F (5°-35°C)
Storage temperature:	-4°-140°F (-20°-60°C)
Altitude:	Sea level to 6000 ft. (1,829m)

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.

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

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

Wired LAN

Standard:	10 BASE-T / 100 BASE-TX
Connection:	1 - RJ-45

Video

1 - Composite (RCA Jack)
1 - S-Video (Mini-Din 4 pin)
1 - Component (RCA Jacks x3)

Audio in/out

2 - RCA Audio Ins (Red RCA/White RCA)
2 - Mini Stereo Jack Ins
1 - Mini Stereo Jack Out

Accessories Included

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

Optional Accessories

• Ultra Value Enhanced Warranty (WX90) [U.S. Only]	78-6969-9907-3
• Lamp Replacement Kit (LKX90)	78-6969-9893-5
• Ceiling Mount (CM X90)	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

Screen Size (Diagonal)	Image Size 4:3		Image Size 16:9	
	Projection Distance		Projection Distance	
	Minimum (m)	Maximum (m)	Minimum (m)	Maximum (m)
40" (1.0)	47" (1.2)	57" (1.4)	51" (1.3)	62" (1.6)
60" (1.5)	71" (1.8)	86" (2.2)	78" (2.0)	94" (2.4)
100" (2.5)	120" (3.0)	144" (3.7)	131" (3.3)	157" (4.0)
150" (3.8)	181" (4.6)	217" (5.5)	197" (5.0)	237" (6.0)
200" (5.1)	241" (6.1)	291" (7.4)	263" (6.7)	317" (8.0)
300" (7.6)	363" (9.2)	437" (11.1)	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.

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Mexico

Hg—LAMP CONTAINS MERCURY. Manage in accord with disposal laws. See www.lamprecycle.org or call 1-800-328-1371 (USA), 1-800-364-3577 (Canada). For product disposal see www.eiae.org (USA) or www.epsc.ca (Canada).

Important Notice

All statements, technical information, and recommendations related to 3M's products are based on information believed to be reliable, but the accuracy or completeness is not guaranteed. Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use. Any statements related to the product which are not contained in 3M's current publications, or any contrary statements contained on your purchase order shall have no force or effect unless expressly agreed upon, in writing, by an authorized officer of 3M.

Warranty; Limited Remedy; Limited Liability