**3M Digital Projector X21i**
78-9236-7732-8

# 3M™ Digital Projector X21i

This highly versatile projector is ideal for both the mobile presenter in business *and* education. Weighing just 5.2 lbs (2.2 kg), and compact enough to fit into virtually any universal computer bag, the X21i offers a full 2,700 lumens of brightness to ensure great performance in almost any presentation or classroom environment.

For the classroom the X21i offers White, Green and Blackboard modes, and with built-in image templates, the user can also project useful guides onto the screen for assisting annotation. Other cost-saving features include hybrid filters for 5,000 hour maintenance intervals, .4 watt stand-by power consumption, and 'Auto-Eco' mode for cost efficiency management.

## Features

- 2700 lumens*
- XGA (1024x768) native resolution
- Auto Vertical Keystone adjustment
- Quick Start and Instant Off
- Remote mouse emulation
- 7 Preset picture modes
- Hybrid filter for less maintenance frequency
- Auto Eco mode
- AMX Device Discovery
- Advanced security features

- Lightweight: 5.2 lbs (2.2 kg)
- Vertical lens shift
- Whiteboard, Blackboard and Daytime modes
- PC-less presentations using:
  - USB memory device (not included)
- Anti-theft security
- HDMI
- 2000:1 contrast ratio
- Optional USB wireless adapter
- Crestron RoomView® compatible

**CRESTRON RoomView® connected**

Remotely manage and control the projector using a Crestron RoomView® monitoring and control system or the projector's built-in Crestron RoomView® website

Making mobile possible. | 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.



### Optional Wireless Presentation

With the USB wireless adapter you can get rid of network cable clutter and can easily change to multiple presenters in seconds.

### PC-Less Presentation

Leave your laptop at home, just store your presentations to a USB memory device.

## Optional Wireless Connectivity

The 3M X21i projector features wireless presentation capabilities, eliminating the need to pass around a connection cable when multiple presenters are in the room. It can also display up to four individual computer presentations simultaneously, and individual user names can be displayed for the connected computers, making it easier to keep track of the displayed presentations. Additionally, the LiveViewer software provides a quick and easy connection wizard for setting up a wired or wireless network presentation.

## PC-less Presentations

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

Just store files like your digital camera pictures as .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.

## Software Capabilities

The 3M X21i offers networking capability, while the PJMan software gives users the ability to control, diagnose and manage a group of projectors from a single, remote location. Images can also be transferred via LAN connection to individual or multiple projectors.
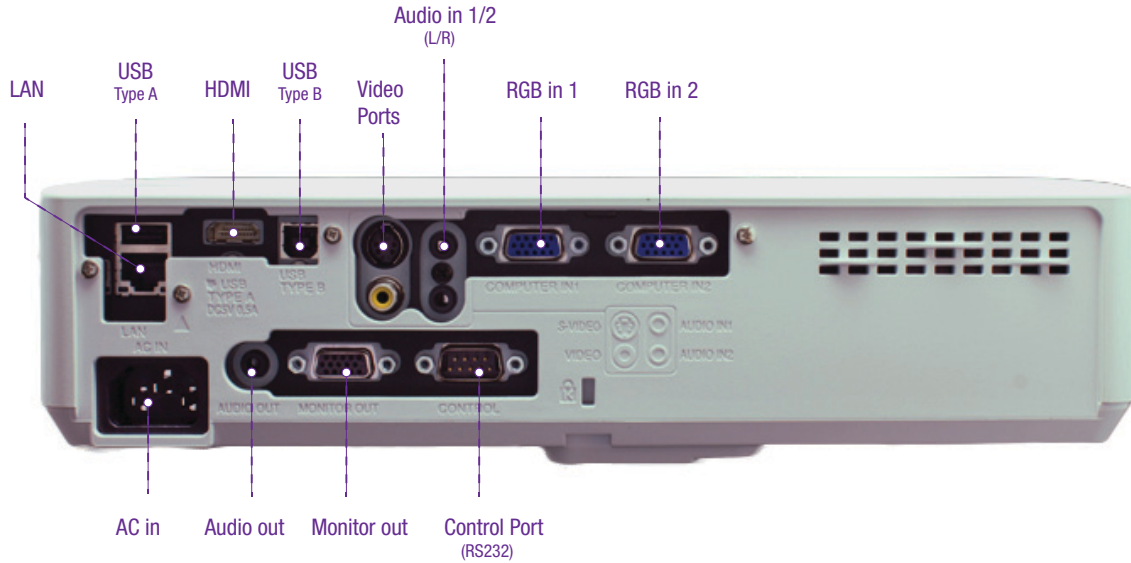
These images are stored in the projector's memory and can be displayed using "My Image" feature. My Image can be recalled and displayed locally using the projector's remote control, or remotely over the LAN connection. Additionally, email notifications are automatically sent to the system administrator for routine maintenance and error alerts. When multiple computers have access to the projector via the network, a designated user can control presentation privileges (and block unwanted access), ensuring that the current presentation is not interrupted unexpectedly. Users can schedule routine and special projector events, including power on, power off, input selection and other settings.

## 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 connected via the local area network.

## Hybrid Filter

Thanks to the X21i hybrid filter, maintenance and cleaning are much less frequent, making longer operation possible. The new hybrid air filter reduces operating costs by delivering at least 4000 hours in normal operating conditions, which combines with the long life lamp and LCD panel to offer an almost "fit and forget" maintenance interval. With the lamp door on top and a side-mounted filter, maintenance and replacement of these parts can be done easily, even when the projector is ceiling-mounted.

LAN   USB Type A   HDMI   USB Type B   Video Ports   Audio in 1/2 (L/R)   RGB in 1   RGB in 2

AC in   Audio out   Monitor out   Control Port (RS232)

| Image Size 4:3 | | |
| --- | --- | --- |
| Screen Size Diagonal [inch (m)] | Projection Distance | |
| | Minimum [inch (m)] | Maximum [inch (m)] |
| 30" (0.8) | 35" (0.9) | 41" (1.0) |
| 60" (1.5) | 71" (1.8) | 85" (2.2) |
| 80" (2.0) | 95" (2.4) | 114" (2.9) |
| 100" (2.5) | 119" (3.0) | 143" (3.6) |
| 150" (3.8) | 179" (4.5) | 215" (5.4) |
| 200" (5.1) | 238" (6.0) | 286" (7.3) |
| 300" (7.6) | 358" (9.1) | 430" (10.9) |

| Image Size 16:9 | | |
| --- | --- | --- |
| Screen Size (Diagonal) | Projection Distance | |
| | Minimum (m) | Maximum (m) |
| 30" (0.8) | 38" (1.0) | 45" (1.1) |
| 60" (1.5) | 77" (1.9) | 91" (2.3) |
| 80" (2.0) | 102" (2.6) | 122" (3.1) |
| 100" (2.5) | 128" (3.3) | 153" (3.9) |
| 150" (3.8) | 193" (4.9) | 229" (5.8) |
| 200" (5.1) | 258" (6.6) | 306" (7.8) |
| 300" (7.6) | 388" (9.9) | 460" (11.7) |

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. * USB secure memory devices and USB hubs are not supported.

## Features Defined

**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 "Component" to "DVD".)

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

**Resolutions 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.

**"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.

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

**Whiteboard, Blackboard and Daytime Modes:** Whiteboard Mode helps reduce peak white brightness of projection on a whiteboard, reducing annoying glare. Blackboard Mode helps provide better color balance when projecting onto a colored background. Daytime Mode allows the viewer to see vivid images, even in high-glare environments.

**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.

## Optical Resolution
Native: True XGA (1024 x 768)
Maximum: UXGA (1600 x 1200)

## Imager set
0.63", P-Si TFT Panel

## Aspect Ratio
native 4:3, 16:9 and 14:9 letterbox

## Colors
16.7 million true colors (24 bit)

## Contrast Ratio
2000:1

## Brightness
2700 lumens (maximum)

## Projection Lens
F1.67-1.91 (f=19-23mm)

## Vertical Lens Shift
6:1 Fixed

## Screen Size (range)
30-300 inches

## Zoom/Focus
Manual

## Zoom Ratio
1.2:1

## Throw Ratio (distance:width)
1.5:1 - 1.7:1

## Optional Lenses
NA

## Control
AMX Device Discovery and Creston RoomView®

## Lamp
UHP 215W (normal mode), 140W (eco mode)

## Lamp Life*
Up to 3000 hours (normal mode)
Up to 5000 hours (eco mode)
* Lamp life may vary due to environment and usage.
Lamp brightness decreases over time.

## Size
### Dimensions (W x H x D)
12.5 x 3.9 x 11.3 in. (317 x 98 x 288mm)

## Weight
5.2 lbs (2.2kg)

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## 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 ±30 degrees

### Mouse Emulation
USB

### Audio
1 x 1 Watt

### Startup Screen
Customizable

### Noise Level
Normal 37dB; Eco 30dB

### Feature Set
Auto off, 4x digital magnification, image blank

### Horizontal Scan
31.5 - 106 kHz

### Vertical Scan
56 - 120 Hz

### Power Consumption
320W (eco stand-by) = .4W

### Power Supply
AC 100~120V /220~240V (50/60 Hz)

### Regulatory Approvals
c UL us, FCC Part 15 Subpart B, CE

### Operating Temperature
41°- 95°F (5°- 35°C)

### Storage Temperature
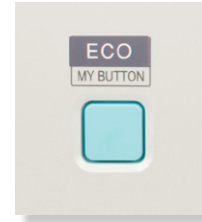-4°- 140°F (-20°- 60°C)

### Altitude
Sea level to 5250 ft. (1600m)

## Warranties
### Projector
3 years or 2500 hours
### Lamp
90 days or 180 hours

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## My Button
With 'My Button' the presenter can instantly blank the screen

## Technical Support
Free unlimited software downloads and updates available on our website at www.3m.com/meetings

## Connections
### Computer
LAN - RJ45 Wired LAN
Computer 1,2 15 pin HD-Sub – Analog Computer Input
USB Type B – Mouse Emulation
USB Type A – PC-Less Presentations
Monitor Out 15 Pin HD-Sub – Analog Computer Output
Control 9 Pin D-Sub – RS-232 Control Port
Audio in 1, 2 3.5mm Stereo mini jack – PC Audio input
### Video
HDMI – Digital Video and Audio
Component (via RGB 1,2) – Component Video input
S-Video 4 Pin Mini-Din – S-Video Input
Video RCA – Composite Video Input
Audio Out 1 x 3.5mm Stereo Mini Jack – PC & Video Audio Output

## Accessories Included
Power cords (US, UK, Europe)
Remote control without laser (with AA batteries)
RGB cable
Multi-Language Operator's Guide CD
Lens cap

## Optional Accessories
| | |
|---|---|
| Lamp replacement kit | 78-6972-0106-5 |
| Universal ceiling mount | 78-6969-9874-5 |
| Adjustable height mount extension | 78-6969-9698-8 |
| USB Wireless Adapter | 78-6972-0110-7 |

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**800.328.1371 | www.3m.com/meetings**

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Specifications subject to change without notice.

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Hg—LAMP CONTAINS MERCURY. Manage in accordance 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).

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