

Installation Guide

Extron DMS 2000 20x20 DVI Matrix

Operation with the Large Monitor Manager




Important

Please read the safety information and all information delivered with the product carefully to familiarize yourself with safe and effective usage.

Legal information

Warning notice system

This manual contains notices you have to observe in order to ensure your personal safety, as well as to prevent damage to property. The notices referring to your personal safety are highlighted in the manual by a safety alert symbol, notices referring only to property damage have no safety alert symbol. These notices shown below are graded according to the degree of danger.


 DANGER
indicates that death or severe personal injury will result if proper precautions are not taken.
 WARNING
indicates that death or severe personal injury may result if proper precautions are not taken.
 CAUTION
indicates that minor personal injury can result if proper precautions are not taken.
NOTICE
indicates that material damage can result if proper precautions are not taken.

If more than one degree of danger is present, the warning notice representing the highest degree of danger will be used. A notice warning of injury to persons with a safety alert symbol may also include a warning relating to property damage.

Qualified personnel

The product/system described in this documentation may be operated only by **personnel qualified** for the specific task in accordance with the relevant documentation, in particular its warning notices and safety instructions. Qualified personnel are those who, based on their training and experience, are capable of identifying risks and avoiding potential hazards when working with these products/systems.

Use of EIZO products

 WARNING
EIZO products may only be used for the applications described in the catalog and in the relevant technical documentation. If products and components from other manufacturers are used, these must be recommended or approved by EIZO. Proper transport, storage, installation, assembly, commissioning, operation and maintenance are required to ensure that the products operate safely and without any problems. The permissible ambient conditions must be complied with. The information in the relevant documentation must be observed.

Trademarks

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Disclaimer of liability

We have reviewed the contents of this publication to ensure consistency with the hardware and software described. Since variance cannot be precluded entirely, we cannot guarantee full consistency. However, the information in this publication is reviewed regularly and any necessary corrections are included in subsequent editions.

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1 Introduction

1.1 Contents of this document

This document explains how to install the Extron DMS 2000 20x20 DVI matrix for operation with an Large Monitor Manager.

The configuration and operation of the installed system with the Large Monitor Manager and Extron DMS 2000 are described in the Large Monitor Manager instructions for use.

The device information regarding the Extron DMS 2000 as well as general safety information can be found in the instructions for use and on the website of the manufacturer.

The contents of this document are neither part of a previous or existing agreement, commitment or legal relationship, nor does it modify such.

1.2 User

Service/service personnel

The terms "service" or "service personnel" denote specially trained and authorized personnel, e.g. hospital technicians, medical device manufacturers.

2 Safety information

2.1 General safety instructions

Correct and safe operation of Extron DMS 2000 DVI matrix assume professional transport, storage, installation, and connection, as well as careful operation and service.

 CAUTION

Observe the general safety instructions in the instructions for use of the Large Monitor Managers and the matrix.

2.2 Product-specific safety instructions

NOTICE

Installing or removing the matrix

- | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none">• Only service personnel should install or remove the matrix,• Pull the power plug of the matrix and Large Monitor Manager prior to installation or removal. |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

3 Description

3.1 Scope of delivery

The scope of delivery includes the ordered version of the matrix as well as various components. After unpacking, check the scope of delivery for correctness and completeness.

Note

Keep the packaging material for subsequent use.

Product	Order No.	Description
Extron DMS 2000 20x20 DVI matrix	6GF60310AA01	Matrix for connecting 20 DVI video inputs and outputs.

Components

In addition to those listed in the matrix instructions for use, the following components are included in the scope of delivery (country-specific versions may differ):

- RS232/USB adapter cable, 2 m long
- Power supply cable (Japan), 2 m long
- This installation guide in printed form

4 Setup and installation

Set-up location

The Extron DMS 2000 has to be set up near the Large Monitor Manager so that the matrix can be connected to the Large Monitor Manager using the two-meter RS232/USB adapter cable.

Installation

The matrix can be installed in a rack with the Large Monitor Manager

Observe the information in the instructions for use for the Large Monitor Manager and matrix.

5 Connecting

⚠ CAUTION

Connecting the matrix to the Large Monitor Manager

Observe the safety information and the connection procedure descriptions in the instructions for use for the Large Monitor Manager and the matrix.

Connect Extron DMS 2000 to Large Monitor Manager (LMM)



Fig.: Front view matrix

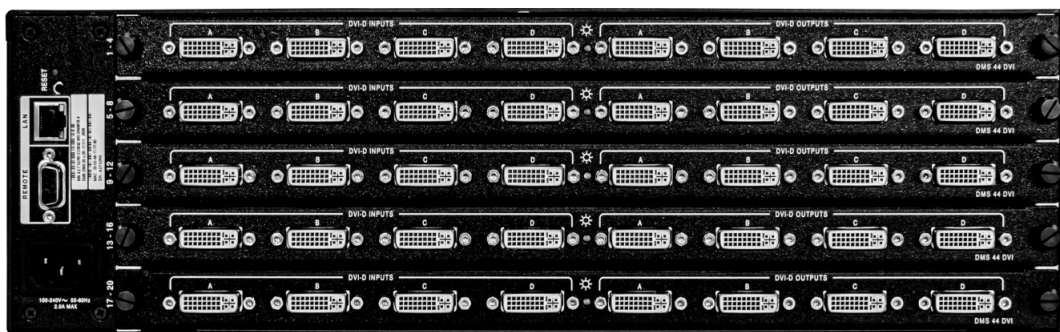
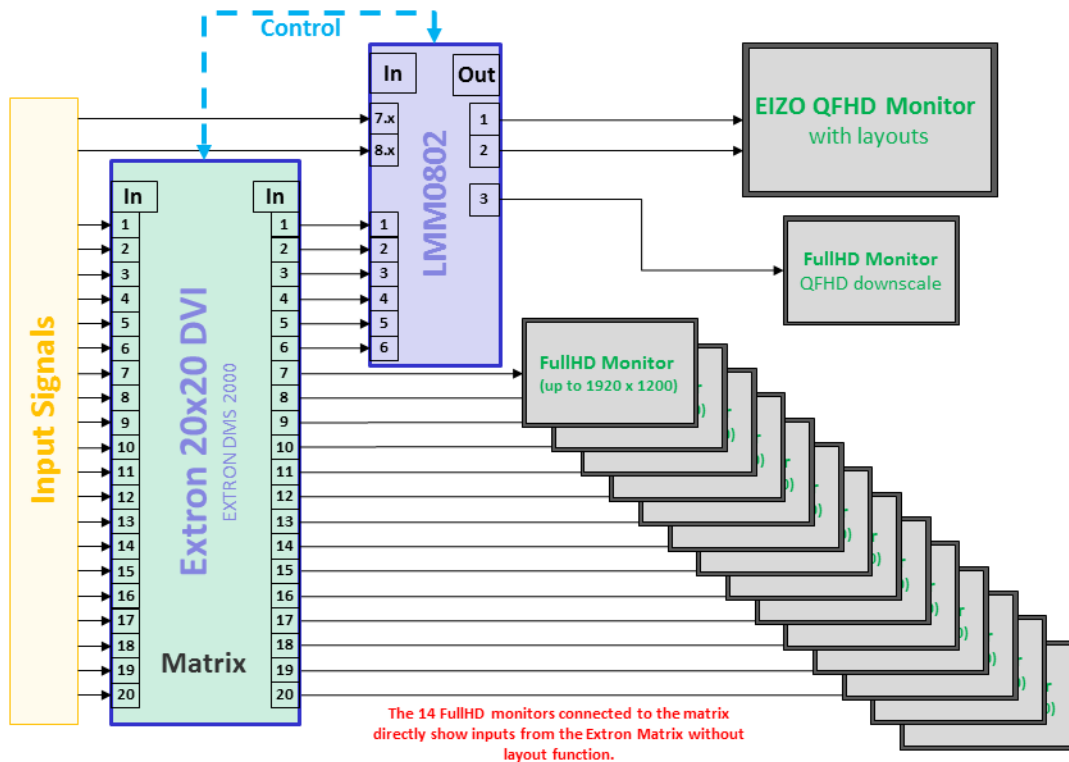


Fig.: Rear view matrix

Note
The matrix supports DVI-D signals exclusively.

1. Connect the D-Sub (DE-9P) plug of the adapter cable delivered with the matrix to the RS232 socket of the matrix, and the USB A plug to a USB input (X1 - X6) of the Extron DMS 2000.
2. Connect a maximum of 20 input signals to the DVI inputs of the matrix.
3. Connect DVI outputs 1 - 6 of the matrix to inputs IN 1 to IN 6 of the LMM. For this purpose use the DVI/HDMI adapter cable delivered with the LMM.
Note: Matrix output signals may not be connected to inputs 7.x and 8.x.
4. Connect up to 14 monitors to single link DVI outputs 7 through 20 of the matrix.
Note: Monitors with resolution up to 1920 x 1200 pixels and a pixel frequency of 165 MHz are supported.
5. Connect the matrix to the power supply.
6. Switch on the matrix using the power switch.
⇒ The matrix is operational and can now be enabled in the LMM system settings.

System overview with LMM0802 (schematic)



6 Configuration and operation

Configuring

To ensure that the Large Monitor Manager detects the connected Extron DMS 2000, mark the setting for activating the matrix in the "Base settings (extended)" sidebar of the Large Monitor Manager user interface:

Operation

After connecting the matrix, operations on the matrix are restricted to turning it off and on using the power switch. You operate the matrix functions through the Large Monitor Manager.

Note
Observe the Large Monitor Manager instructions for use for further information on configuration and operation.

7 Appendix

7.1 Contact

Support during installation and for technical questions

www.eizo-or.com

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