



EMC Chamber Monitoring System

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1. Product Description

The NDX monitor series is specifically designed for EMC chambers and shielded rooms, offering features such as monitoring, archiving, and more. Each camera is housed in a protective shell to prevent electric field interference, with all signals transmitted via optical fiber to eliminate conduction interference. With remote control capability, every corner of the chamber can be clearly observed.

The system includes various types of CCTV setups, such as top-mounted fixed cameras for comprehensive monitoring and ground portable cameras for localized observation, meeting the diverse needs of different testing scenarios.

2. Typical Applications

- Anechoic chamber
- Shielded room

3. Product Features

- EMC compliant to CISPR 22 Class B
- Automatic / manual focus
- 24 / 7 operation
- Motion Detection Function with RS (Radiation Immunity)

4. Technical Data

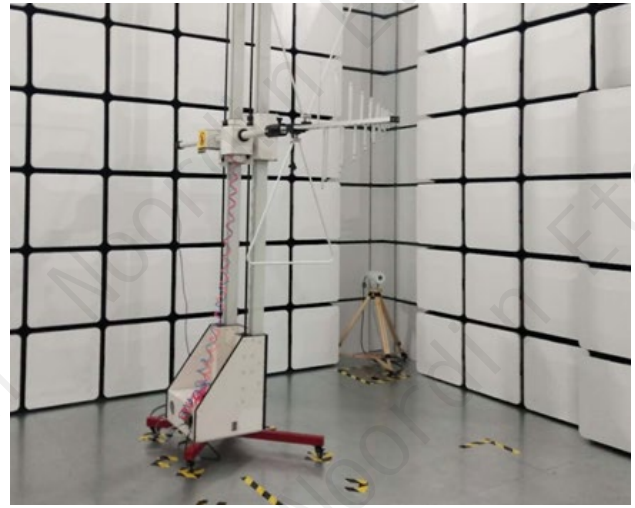
Focal Length	3.5 ~ 135 mm
Zoom	Optic zoom 36x, digital zoom 16x
Camera Unit	5 million day and night superelevation
Resolution Ratio	HD1080P, 1920*1080
Effective Pixel	≥2000,000
Monitoring Performance	<p>Motion Detection, i.e. RS (Radiated Immunity)</p> <p>Monitoring function, the monitor display screen is different during the test</p> <p>Often, the monitoring system will automatically capture the dynamics and send out an alarm.</p> <p>Alert testers</p>
Horizontal View Angle	0°~180°
Tilt View Angle	-30°~90°
Optical Fiber Cable	62.5 u glass optical fiber
Control Form	Manual, automatic and remote network control
Minimum of illuminance	<p>Colour: 0.05Lux@ (F1.6,AGC ON)</p> <p>Black-and-white: 0.01Lux@ (F1.6,AGC ON)</p>
Display	<p>Four-channel display</p> <p>Controller integrated frequency divider</p> <p>Record all day</p>
Transmission Mode	Optical fiber control
Electric Field Strength	<p>@10kHz~40GHz</p> <p>Continued field strength: 200V/m</p> <p>Instantaneous field strength: 600V/m</p>
Test Standard	Meet CISPR 22 Class B & GJB151B-2013

5. Component

- Camera Unit: Each camera includes a pan/tilt mechanism for adjustable positioning.
- Built-in Converter: Ensures compatibility and efficient signal processing.
- Camera Controller: Model NDX-CBOX21, an independent controller in a 19" flat rack design.
- Mounting Options: Tripod and wall mount holders provided for versatile camera installation.
- Shielded Cables: Supplied with two sets of 25-meter shielded cables for reliable, interference-free connectivity.

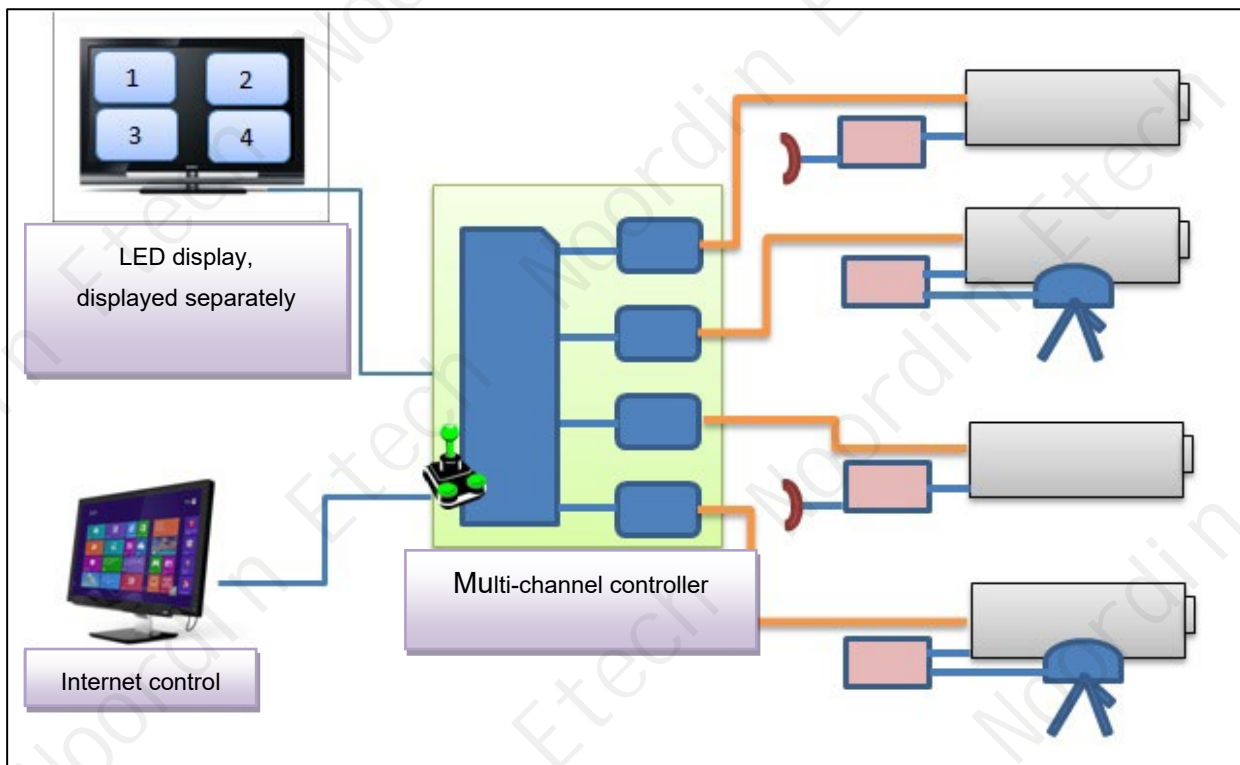


Top fixed



Ground portable

6. CCTV Connection Schematic



Note: The camera system is EMC-shielded. Customers can configure the number of cameras as needed, with the option to display targets individually or simultaneously.

Contact Us

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