

March Networks

Customer Installation Guide



Introduction

Welcome, 365 Retail Markets is pleased to offer you an intelligent IP video surveillance system. Our NVR camera steps away from standard analog cameras and toward IP cameras with the 8000 series NVR recorder which contain a variety of basic and advanced features.

We are fully committed to supporting you and your new NVR system. If at any time you require assistance, please do not hesitate to contact our Implementation or Support Teams!

Support	Implementation
support@365smartshop.com	implementation@365smartshop.com
888-497-8803	888-365-6282

This guide is designed to serve as a general guide for the 8716P Hybrid Recorder. Please follow all the installation steps in the **8716 P NVR IG-12-2016 Installation Guide** below to be sure that you will be compliant with all regulations.



8716P NVR
Installation Guide.p

Additional documents are:

- MN8716P Guide
- ME Oncam EVO-05 Camera Guide
- ME4 Discreet Dome Camera Guide



8716P Hybrid
NVR.pdf



EVO-05 Oncam
Guide.pdf



ME4 Discreet IR
Dome.pdf

Network Requirements

Port Number	Usage
22	Putty NVR access for remote support
Outbound UDP Traffic	Required for NAT Traversal
443	Outbound – Traffic communication between router and CES Server
444	Outbound - Traffic communication between router and CES Server
UDP Port 3478	Outbound – STUN port

Network Diagram — NAT Traversal

The following diagram shows the default network ports for a system with a CES, Command Client, Administrator Console, an Archiver, and recorders. This example is using a STUN and/or TURN server for NAT traversal.

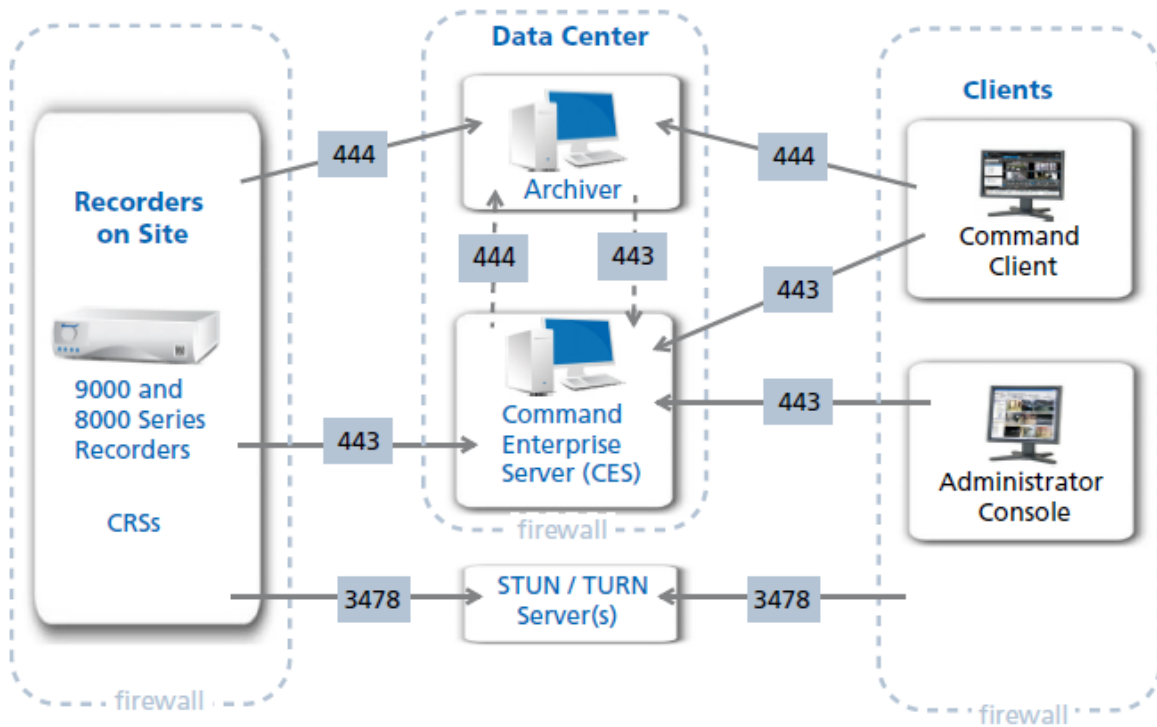
NAT traversal is supported on components are at Command release 2.7 or higher and Visual Intelligence release 5.14 or higher.

Note: If the CES and the Archiver are on the same computer in the data center and/or there are no firewalls/routers between them in the data center, they do not need ports 444 and 80 to communicate.

If you are using the local STUN server provided with CES, the default port number is 3478. The STUN port is a UDP port, not a TCP port.

If you are using an external STUN server and/or TURN server, the provider of that external server determines the default port numbers.

Note: The arrows show the direction of initial connection between the network elements.



Application Requirements

You need to have the three applications listed below installed on your computer before proceeding with these instructions. If you do not have administrator rights to your PC, please work with your local IT to get these applications installed before proceeding.

The three required files can be downloaded [here](#)

- Admin Console
- Command Client
- PuTTY

Scheduling Training

To schedule March Networks training, please contact our Implementation team by phone 888-497-8803 or by email implementation@365smartshop.com to receive **Intro to March Network** webinar training. For your convenience, we have included a document with a list of basic and advanced training videos below.



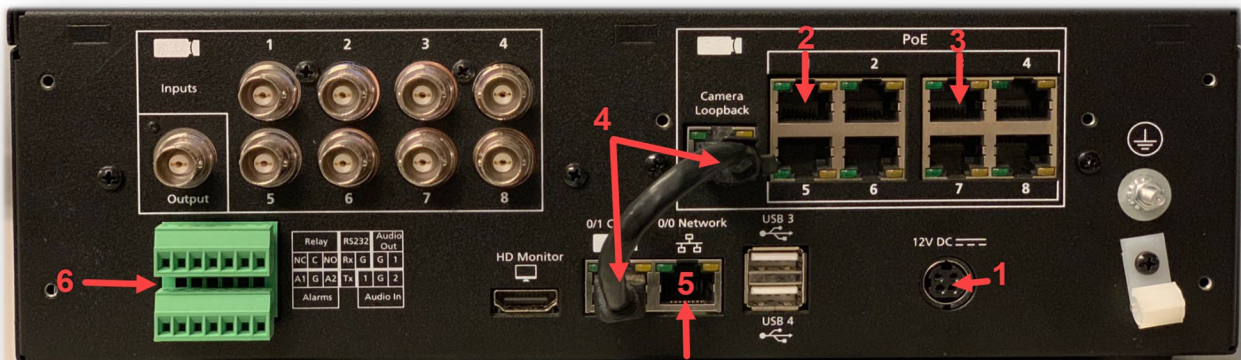
March Networks
Training Videos.doc

Unboxing Equipment

Unbox and keep all packaging from your equipment. You will find the following three devices:

- NVR – 8716P
- Dome Camera – ME4 Discreet Dome
- 360/Fisheye Camera – OnCam 360

Physical Connections



Step 1: Using the image above, complete the following connections.

1. Connect the **power supply**.
2. Connect the **OnCam 360 IP camera** to port 1.
3. Connect the **ME4 Discreet Dome IP camera** to port 3.
4. Be sure the ethernet jumper cable is installed between the **0/1 camera port** and **camera loopback port**.
5. Connect the **0/0 Network Port** to the customer network switch.

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6. Install the green connectors provided to the green figure. (This may be needed in the future.)

Step 2: To complete connectivity of the NVR/camera system to the 365 CES Server, contact 365 Implementation at 888-497-8803 or by email at implementation@365smartshop.com