



Vicon is pleased to offer its customers factory direct pre-configuration of virtually all of our IP-based product line, from network cameras to Virtual Matrix Display Controllers. We realize the importance of meeting installation deadlines, which is why we want our integrators concentrating on the collection of configuration information during the early stages of project planning. For your convenience, we would like to highlight some of the data that is required for factory pre-configuration of your Vicon system.

System Component	Requirement	Example
IP Camera	Unit / Device Name / IP Information / Compression Format / Stream Settings (I-Onyx Cameras) / Macro Information	Camera01 / North Hallway / 192.168.1.10 / H.264 / 1280x1024 @ 15 FPS / Record to NVR1
NVR, DVR, VMDC	System Name, IP Information	NVR1 / 192.168.1.20

For a more in-depth understanding of each of the required components for factory pre-configuration, please review the following:

IP Addressing Scheme: Vicon recommends that all IP based components of your ViconNet system make use of static addressing for management and administration purposes. Each individual device will require its own unique address.

System Naming Scheme: The ViconNet Nucleus, as well as DVRs, NVRs, Workstations, and VMDC units all require a naming scheme that the end user will find intuitive. Each of these sites will be referred to within ViconNet via the "SYSTEM NAME."

Camera Naming Scheme: ViconNet and I-Onyx cameras use a dual naming scheme that appears in the ViconNet “Site List.” This is essentially a directory tree of all the cameras attached to your system, broken up into two parts: “UNIT NAME” and “DEVICE NAME.” Professional Services orders require an entry for each. Please see the example below.



Compression Format: Applies to I-Onyx series cameras only (960, 980, etc.). For optimal compression and network throughput, Vicon recommends the use of H.264 compression where available. If there is a specific need for an alternate format (MPEG, JPEG), it should be noted while compiling configuration information for cameras.

Camera Stream Settings: Applies to I-Onyx series cameras only (960, 980, etc.). Each camera requires the configuration of resolution and frame -rate, as well as a specification of VBR (Variable Bit Rate) or CBR (Constant Bit Rate) encoding. Your sales representative will be able to provide the information used to design your system and meet the associated jobsite specifications. The number of available streams, supported frame-rates, and feature sets will vary from one model camera to the next.

Recording Quality & FPS: Applies to cameras with embedded ViconNet firmware (910, Surveyor products) only. This field provides information needed to write a basic recording macro for your ViconNet cameras, and may be obtained based on the original storage and bandwidth calculations conducted by your sales representative. ViconNet quality ranges from highest (1) to lowest (8).

Assigned Recorder: Indicates the intended NVR or DVR that will contain the recorded video for a given camera. As part of the pre-configuration process on a Vicon NVR or DVR-Hybrid, Vicon includes a basic

recording macro to allow for immediate out-of-box operation. Note that units will ship with the “Scheduler” application disabled, and recording will only commence when enabled.

Recording Stream: I-Onyx series cameras are capable of supporting multiple camera streams (depending on configuration). In the event that multiple streams have been configured, the designated recording stream should be indicated.

Installation Location: Intended to assist in the installation of our products. All pre-configured orders will have a label noting the installation location of a given component affixed to the box that it ships in. This can be as simple or specific as the project manager prefers, from “Building XYZ” to “Second Floor Hallway West.”

Included with this document is a sample of our configuration worksheets used to configure workstations along with ViconNet and I-Onyx cameras. Please use this for reference when collecting the required data for your new system. Once a purchase order has been received, the technical contact will be sent a custom worksheet reflecting the contents of your order. After completing and returning the worksheet, orders will typically ship within a two week turn-around.

Thank you for choosing Vicon Professional Services



Workstations

Nucleus IP:	#REF!
Time Zone:	#REF!
Job ID:	#REF!

ViconNet workstations are preconfigured solutions that provide the ability to view, control and configure every ViconNet NVR, DVR and IP device on the network

WS Num.	Product Code	Model Number	Serial	License ID	Password	System Name	Location	IP Address	Subnet Mask	Default Gateway
1	123444C	VN-WORKSTATION	245254	323546	369558	B1-Workstation	Buliding 1	192.168.1.21	255.255.255.0	192.168.1.1
2	123444C	VN-WORKSTATION	245254	188659	774526	B2-Workstation	Building 2	192.168.1.22	255.255.255.0	192.168.1.1
3	123444C	VN-WORKSTATION	245254	214466	232269	B3-Workstation	Building 3	192.168.1.23	255.255.255.0	192.168.1.1
4	123444C	VN-WORKSTATION	245254	246671	198564	B4-Workstation	Building 4	192.168.1.24	255.255.255.0	192.168.1.1
5	123444C	VN-WORKSTATION	245254	977784	748488	B5-Workstation	Building 5	192.168.1.25	255.255.255.0	192.168.1.1

Example:

101010 VN-WS-xxxx-R6 123456 ViconNet License License Password Branch1-NVR1 Building 1 192.168.1.20 255.255.255.0 192.168.1.1



I-Onyx & Megapixel Cameras

Nucleus IP:	#REF!
Time Zone:	#REF!
Job ID:	#REF!

Camera	Product Code	Model Number	Serial	MAC	Unit Name	Device Name	Location	IP Address	Subnet Mask	Default Gateway	Assigned NVR	Compression Format	Stream 1	Stream 2	Recording Stream
1	1011008C	V962-N312	546134	00:06:68:54:2D:01	B2-C26	Camera 1	Building 1	192.168.1.58	255.255.255.0	192.168.1.1	B1-NVR	H.264	1280x720/15FPS/CBR	640x480/15FPS/CBR	Stream 1
2	1011008C	V962-N312	546134	00:06:68:54:2D:02	B2-C27	Camera 2	Building 1	192.168.1.59	255.255.255.0	192.168.1.1	B1-NVR	H.264	1280x720/15FPS/CBR	640x480/15FPS/CBR	Stream 1
3	1011008C	V962-N312	546134	00:06:68:54:2D:03	B2-C28	Camera 3	Building 1	192.168.1.60	255.255.255.0	192.168.1.1	B1-NVR	H.264	1280x720/15FPS/CBR	640x480/15FPS/CBR	Stream 1
4	1011008C	V962-N312	546134	00:06:68:54:2D:04	B2-C29	Camera 4	Building 1	192.168.1.61	255.255.255.0	192.168.1.1	B1-NVR	H.264	1280x720/15FPS/CBR	640x480/15FPS/CBR	Stream 1
5	1011008C	V962-N312	546134	00:06:68:54:2D:05	B2-C30	Camera 5	Building 1	192.168.1.62	255.255.255.0	192.168.1.1	B1-NVR	H.264	1280x720/15FPS/CBR	640x480/15FPS/CBR	Stream 1
6	1011008C	V962-N312	546134	00:06:68:54:2D:06	B2-C31	Camera 6	Building 2	192.168.1.63	255.255.255.0	192.168.1.1	B2-NVR	H.264	1280x720/15FPS/CBR	640x480/15FPS/CBR	Stream 1
7	1011008C	V962-N312	546134	00:06:68:54:2D:07	B2-C32	Camera 7	Building 2	192.168.1.64	255.255.255.0	192.168.1.1	B2-NVR	H.264	1280x720/15FPS/CBR	640x480/15FPS/CBR	Stream 1
8	1011008C	V962-N312	546134	00:06:68:54:2D:08	B2-C33	Camera 8	Building 2	192.168.1.65	255.255.255.0	192.168.1.1	B2-NVR	H.264	1280x720/15FPS/CBR	640x480/15FPS/CBR	Stream 1
9	1011008C	V962-N312	546134	00:06:68:54:2D:09	B2-C34	Camera 9	Building 2	192.168.1.66	255.255.255.0	192.168.1.1	B2-NVR	H.264	1280x720/15FPS/CBR	640x480/15FPS/CBR	Stream 1
10	1011008C	V962-N312	546134	00:06:68:54:2D:10	B2-C35	Camera 10	Building 2	192.168.1.67	255.255.255.0	192.168.1.1	B2-NVR	H.264	1280x720/15FPS/CBR	640x480/15FPS/CBR	Stream 1
11	1011008C	V962-N312	546134	00:06:68:54:2D:11	B2-C36	Camera 11	Building 3	192.168.1.68	255.255.255.0	192.168.1.1	B3-NVR	H.264	1280x720/15FPS/CBR	640x480/15FPS/CBR	Stream 1
12	1011008C	V962-N312	546134	00:06:68:54:2D:12	B2-C37	Camera 12	Building 3	192.168.1.69	255.255.255.0	192.168.1.1	B3-NVR	H.264	1280x720/15FPS/CBR	640x480/15FPS/CBR	Stream 1
13	1011008C	V962-N312	546134	00:06:68:54:2D:13	B2-C38	Camera 13	Building 3	192.168.1.70	255.255.255.0	192.168.1.1	B3-NVR	H.264	1280x720/15FPS/CBR	640x480/15FPS/CBR	Stream 1
14	1011008C	V962-N312	546134	00:06:68:54:2D:14	B2-C39	Camera 14	Building 3	192.168.1.71	255.255.255.0	192.168.1.1	B3-NVR	H.264	1280x720/15FPS/CBR	640x480/15FPS/CBR	Stream 1
15	1011008C	V962-N312	546134	00:06:68:54:2D:15	B2-C40	Camera 15	Building 3	192.168.1.72	255.255.255.0	192.168.1.1	B3-NVR	H.264	1280x720/15FPS/CBR	640x480/15FPS/CBR	Stream 1
16	1011008C	V962-N312	546134	00:06:68:54:2D:16	B2-C41	Camera 16	Building 4	192.168.1.73	255.255.255.0	192.168.1.1	B4-NVR	H.264	1280x720/15FPS/CBR	640x480/15FPS/CBR	Stream 1
17	1011008C	V962-N312	546134	00:06:68:54:2D:17	B2-C42	Camera 17	Building 4	192.168.1.74	255.255.255.0	192.168.1.1	B4-NVR	H.264	1280x720/15FPS/CBR	640x480/15FPS/CBR	Stream 1
18	1011008C	V962-N312	546134	00:06:68:54:2D:18	B2-C43	Camera 18	Building 4	192.168.1.75	255.255.255.0	192.168.1.1	B4-NVR	H.264	1280x720/15FPS/CBR	640x480/15FPS/CBR	Stream 1
19	1011008C	V962-N312	546134	00:06:68:54:2D:19	B2-C44	Camera 19	Building 4	192.168.1.76	255.255.255.0	192.168.1.1	B4-NVR	H.264	1280x720/15FPS/CBR	640x480/15FPS/CBR	Stream 1
20	1011008C	V962-N312	546134	00:06:68:54:2D:20	B2-C45	Camera 20	Building 4	192.168.1.77	255.255.255.0	192.168.1.1	B4-NVR	H.264	1280x720/15FPS/CBR	640x480/15FPS/CBR	Stream 1
21	1011008C	V962-N312	546134	00:06:68:54:2D:21	B2-C46	Camera 21	Building 5	192.168.1.78	255.255.255.0	192.168.1.1	B5-NVR	H.264	1280x720/15FPS/CBR	640x480/15FPS/CBR	Stream 1
22	1011008C	V962-N312	546134	00:06:68:54:2D:22	B2-C47	Camera 22	Building 5	192.168.1.79	255.255.255.0	192.168.1.1	B5-NVR	H.264	1280x720/15FPS/CBR	640x480/15FPS/CBR	Stream 1
23	1011008C	V962-N312	546134	00:06:68:54:2D:23	B2-C48	Camera 23	Building 5	192.168.1.80	255.255.255.0	192.168.1.1	B5-NVR	H.264	1280x720/15FPS/CBR	640x480/15FPS/CBR	Stream 1
24	1011008C	V962-N312	546134	00:06:68:54:2D:24	B2-C49	Camera 24	Building 5	192.168.1.81	255.255.255.0	192.168.1.1	B5-NVR	H.264	1280x720/15FPS/CBR	640x480/15FPS/CBR	Stream 1
25	1011008C	V962-N312	546134	00:06:68:54:2D:25	B2-C50	Camera 25	Building 5	192.168.1.82	255.255.255.0	192.168.1.1	B5-NVR	H.264	1280x720/15FPS/CBR	640x480/15FPS/CBR	Stream 1

Example: 123456 V910-D312V 123456 00:sd:dd:33:ff:00 IP Cam 1 (14 Character Limit) Main-W-Hall-Cam1 (14 Character Limit) Building 1 192.168.1.100 255.255.255.0 192.168.1.1 NVR-1 H.264 1280x720/15FPS/CBR 640x480/7FPS/VBR Stream 2