

## Specification

Model	LVDN45N200
Image Sensor	1/2.5" 5.0 Megapixel CMOS Image sensor
Resolution	1920x1080
Minimum Illumination	1.76V/Lux-sec
S/N Ratio	38.5db
Focus Mode	Manual Focus
Day/Night	IR cut filter with auto switch, IR sensor.
Video Output	1 analog video output ,CVBS supported, PAL/NTSC (configurable)
Network	1 RJ45 Ethernet interface, 10/100M adaptation
Delay	Within The Lan 0.5S
Frame Rate	5.0 Megapixel@10FPS, 3.0 Megapixel@15FPS, 2.0 Megapixel@25FPS
Video Compression	H.264 compression ,dual stream ( 0.1M-6Mbps adjustable)
Protocol	Protocols:RTSP/FTP/PPPOE/DHCP/DDNS/NTP/UPnP
Onvif	Support Onvif 2.0
User Permission	Multi-user Classification Management
Power/Current	DC 12V/1A
Consumption	3.0W
Lens	2.8-12mm Manual Zoom Lens
IR Status	Without IR
Dimension (mm)	∅ 142 x 100(H) mm
Weight (g)	1000
Temperature	-10~55℃
Humidity	0%-90%RH,Without Condensation

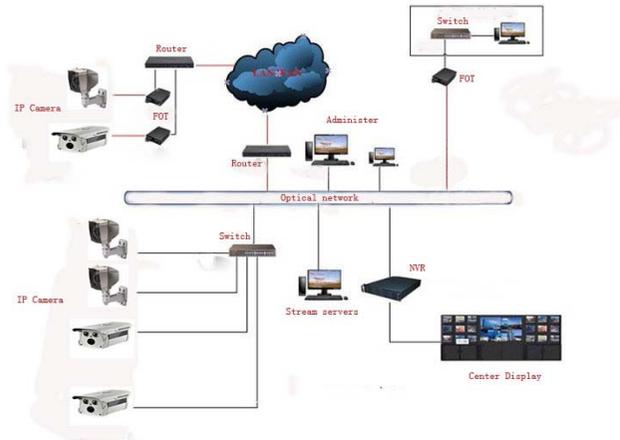
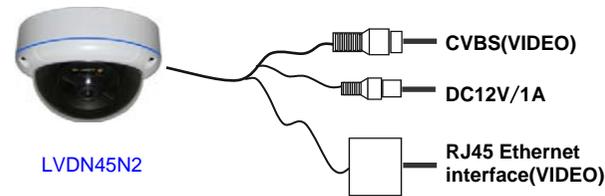
## Packing List

No	Name	Model	Number
1.	HD-IP Camera	LVDN45N200	1
2.	User Guide	LVDN45N200	1
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## Main Features

- 1.Support WEB Configuration,IE Surveillance;
- 2.Support Dual Stream;
- 3.Support Contrast,Brightness,Saturation,
- 4.Support real-time transmission, Center warning and picture pop-up linkage supported ( after motion detection and IO alarm);
- 5.Support DDNS, UPNP remote control; Support Onvif 2.0; Support IR-Cut Switch, Sensible infrared
- 6.Provide open SDK ;

## Connecting



## LVDN45N200 COLOR CAMERA

## HD-IP CAMERA



NOTE : Before providing power for the camera, please read this User Guide in detail!

Do not attempt to disassemble the camera. If the camera can not work, please contact local franchiser or our company.

# UC Client Features

1. Support electronic zoom function
2. Support searching devices.
3. Support different permission of the users display different interface.
4. Support displaying the front-end device list. Display online devices and offline devices by group.
5. Support maintaining and managing on-line status of front-end device.
6. Support multi-screen video window and full screen controls.
7. Real-time video streams to monitor.
8. Support clicking device group name then play this group's devices automatic.
9. Support player window patrol
10. Support manual record
11. Support playing window changes position
12. Support the client screen lock
13. Support video window display some playing status
14. Support TV Wall function.
15. Support the patrol of TV Wall
16. Support PTZ control.
17. Voice talk.
18. Support picture capture.
19. Support local record by the client.
20. Support querying, playback and downloading front-end records (including the front-end and local record).
21. Support displaying real-time alarm information of devices.
22. Support querying the historical alarm information.
23. Support real-time video surveillance of the window and the corresponding voice switch control the display and maintenance of the status.
24. Support the record status of the video window display and maintenance.
25. Support the restoration of status control and management last time monitoring.
26. Support YUV formats accelerated graphics (if you only use the card does not support YUV RGB display).

# Trouble And Solution

## Restore the factory settings situation

1. Web port is changed and device can't access camera
2. IP address is changed so that it can't access camera.
3. Other unknown reason so that it can't access camera

## How do set IP camera access right?

1. Enter network set – streaming media set- choose
2. Enter system set – account administration- modify administrator account admin password - requires authentication –use new password for logging

## Operation error after installing client

Please follow next steps

1. Choose start- program – unit client- manually register DLL- operation
2. Unload client ,install again ( close client and webpage )

## How to get device serial number

1. Search camera function and will show device serial number.
2. Enter system set- get serial number.

## How to begin recording?

1. Add device.
2. Configuration administration- recording set.

## Why can not access the TS38RS by IE?

1.The network unreasonable. First you can connect network by PC, check the network cable is good. And check the network between the TS38RS and the PC is good as figure 1.3. NO.2, the IP address of the TS38RS is occupied by other device or PC. You can connect the TS38RS with your PC directly, and modify the IP address. NO.3, the TS38RS may be in other network. Check the IP address and net mask. NO.4 unknown: You can restore the TS38RS to default configuration.

## Why can not switch the data?

Possible cause:

- 1.Two-Switches: Whether the IP address is correct or not?
- 2.Three-Switches: Whether port and physical address bindings?
3. Firewall: First you can try to connect the Camera as figure 1.3. If the network timeout, you need to check the port mapping or re-set the firewall.

## Why can not access the Camera after update?

Clean browser cache. Steps: open IE, click "Tools" and select "Internet Options", then you can see "Temporary Internet files" and click "Delete Files", it will prompt a dialog you need to check "Delete all offline content" and click "OK". Also you can click "Start" and select "Run" then enter "cmd", enter "arp -d" in "Command Prompt" interface. Re-access the TS38RS.

## How to access IPC through webpage?

1. Download and install ts80\_ctrl.cab control.
2. Enter webpage network set- media set- change TCP protocol.
3. Ban firewall set.
4. Choose video stream 2 by webpage remote visit.

# Introduction

Thank you for purchasing this HD IP Camera. Please read these instructions carefully for a thorough understanding of how the camera operates.

1.1 Before using the camera ,please read this manual carefully and keep it safely for later use.

1.2 Installation should be proceed by professional service and follow manufacturer's instructions, do not dismantle without authorization.

1.3 In order to prevent sensor ,do not expose lens to intense light source in long time.

1.4 Do not touch sensor directly. Please covers the dustproof cover when the camera is not being used.

1.5 Please use a dry soft cloth to clean the camera. If dirt difficult to clean, use detergent with water and wipe dry the camera.

1.6 Do not install camera under air conditioning's air gate ,or else lens blur with condensation of moisture.

1.7 Please ensure that all electric power sources are turned off when not open , installation ,clean, etc operation.

1.8 If the camera was broken, for example power cord or plug damaged ,splash liquid or foreign matter fall into camera, raining ,wetting ,etc can't work situation ,please contact manufacturer or maintenance center (modify and maintenance without permission ,you must be responsible for the problems)



The symbol is intended to alert the user to the presence of important operating and maintenance (servicing) Instructions in the literature accompanying the appliance.



The symbol is intended to alert the user to the presence of uninsulated 'dangerous voltage' within the product's enclosure that may be of sufficient Magnitude to constitute a risk of electric shock to persons.

	<b>CAUTION:</b> <b>RISK OF ELECTRIC. DO NOT OPEN</b>	
<b>CAUTION:</b> <b>TO REDUCE THE RISK OF ELECTRIC DO NOT REMOVE COVER OR BACK NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.</b>		
<b>CAUTION:</b> <b>TO PREVENT ELECTRIC SHOCKS AND RISK OF FIRE HAZARDS, DO NOT USE OTHER THAN</b>		



### Notes:

- The power supply must through safe attestation. Its output voltage, current, voltage polarity and operating temperature must match the camera's requirement.
- When using the camera in the thunderbolt condition, please note to mount Anti-thunder device or put off the power supply plug and cable.
- In order to capture high quality pictures, the power supply's cable and video output cable should not be too long.