Multi-protocol access, no plug-in play, embedded ARM architecture, live video

- Jinzhi Lingxuan video cloud gateway product series -

LX-VIG1000 series product specification

Note: If the appearance and color of the product are changed, please refer to the physical object.

I、Product description

LX-VIG1000 series products adopt professional embedded ARM processor, professional integrated business processing engine, set video access, video streaming, point label management and other multi-functions as one of the gateway products, can realize fast access to small places monitoring video, help customers quickly build wide area network video applications based on B/S architecture. Widely used in supermarkets, small shops, hotels, Internet cafes, hotels and families rich in broadband resources of small monitoring and interconnection scenes.

II、Product feature

1. Function Introduction

- Special ARM chip, embedded Linux device, stable and reliable, easy to maintain;
- Support onvif, rtsp and other protocol equipment automatic scanning access;
- Built-in B/S client to realize split-screen browsing, video playback, equipment configuration management, OTA upgrade and other functions;
- Support single, batch and other ways to add and delete equipment, easy to use;
- Support remote operation and maintenance, support OTA upgrade;
- Support mixed push flow modes such as on-demand push flow and formulate specified address push flow;
- Support RTMP, HLS, HTTP-FLV, Websocket-FLV, RTSP and other video stream distribution protocols;

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2. Technical performance index

- Support camera access within 200 channels;
- Support no less than 8 real-time streaming media (depending on the uplink bandwidth);

3. Work environment

- Working environment temperature: -20℃~+65℃
- Relative humidity: 10% ~ 90%

III、Application scenarios

It is suitable for users to quickly build video applications based on B/S architecture (without plug-ins), quickly integrate video resources such as convenience stores, pharmacies, Internet cafes, bars, restaurants, fire protection places, new energy and other small places, so as to realize fast networking and fully benefit the old.

IV、Core selling point

Embedded ARM, cross-platform, support letter innovation, no plug-in play, live video, streaming media forwarding, trans-coding.

V、Physical interface

- Main control (built-in) CPU: RK3568, quad-core, frequency: 2.0G
- Memory: 2G
- Storage: 16g
- Support WIFI, Bluetooth
- Operating system: Ubuntu20.04
- USB interface: 4*USB2.0 * 2*USB3.0

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- DC power interface: DC power interface 12V 2A
- Video output interface: 1*HDMI 1*VGA
- Network port: dual Ethernet, 1000M
- Headphone interface: 1*MIC-IN 1*LINE-OUT
- TF interface: Support TF extension (Max 128G)
- Weight: net weight 0.7kg
- Size without package: L 133.8mm*W 126.6mm*H 47mm

VI、Feature List

systematic name	Module name	Function point	Explain
Device Protocol support		Access protocol	RTSP/Onvif
		Distribution format	RTMP、HLS、HTTP-FLV、Websocket-FLV、RTSP
business management system	Status	Equipment Status	Display device cpu, memory, hard disk and other running usage
		System information	Display device name, software and hardware version, system time, interactive communication status with the platform, activation status, network connection status and other information
	Split preview	Video display	The access video point information was displayed in the form of tree list, and the online number and the total number of access were displayed.
		Split screen display	It supports video display in the form of 1 and 4 split screens, and supports fuzzy query of channel names.
	Config manage	Device management	Support single, batch add camera, edit, delete and other operations, support by name, type, status, IP address query positioning;
		Task management	Support for increased task status viewing;
	Advanced Settings	Platform access	Support the configuration of communication parameters with cloud business platform and operation and maintenance platform;

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		Network settings	Support device name, latitude and longitude, installation address information; configuration; Support device network interface address configuration;
		System log	It supports log level setting, manual/automatic restart policy setting, and device authorization management;
		Time sync	Support device running time zone, time setting, support NTP time setting;
		System upgrades	Support manual web remote firmware upgrade, support OTA operation and maintenance system firmware upgrade;
	User config	Change password	Reconfiguration of user passwords is supported;

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