ZN-TVR6104GT-JN

1.1 Order Info

ZN-TVR6104GT-JN

1.2 Product Features

- Adopt advanced H.265 video coding algorithm with high compression ratio and high image quality

- Support analog channels convert to network channels

- Compliant with the TVI 2.0 standard specification, it supports up to 16 channels of 3MP, 4MP HD TVI, AHD, CVI, CVBS, network video signal hybrid access

- Support full-channels HD 3MP or half-4MP real-time monitoring

- Support coaxial two-way data control of TVI/AHD/CVI cameras

- Support HDMI, VGA, CVBS synchronous output, achieve Full HD display, the resolution up to 3840×2160

- Support up to 16 channels of 1080P, 3MP, Half-4MP non-real-time encoding video

- Support up to 16 channels of synchronized playback

- Support intelligence analysis, support up to 2ch face detection/ 8ch perimeter detection, which can realize retrieval and video playback based on face data or perimeter events

- Support long distance reliable transmission of coaxial cable

- Support dual-stream technology

- Support 1 SATA, and some models support 2 SATA, the capacity of the hard disk is unlimited

- Support HDD S.M.A.R.T technology, support HDD had track skipping, and greatly reduces data loss caused by HDD failure

- Support upload snapshot and video backup to third-party cloud service, like Dropbox, Google Drive

- Built-in VSS cloud and P2P transfer service, achieve access by website, mobile application(VSS Mobile), PC client, support alarm push

- Support UPNP, SMTP, SSL email alarm

1.3 Application Scene

ZN-TVR6100GT series is a new generation coaxial HD embedded DVR, using advanced H.264 video encoding technology, following the TVI 2.0 standard specification, adaptively compatible with TVI, AHD, CVI, analog cameras. Full channel supports HD 1080P real-time monitoring, up to 16 channels of 3MP or 1080P non-real-time HD video, support UPNP, suitable for general security video surveillance in shops, homes, education, etc.
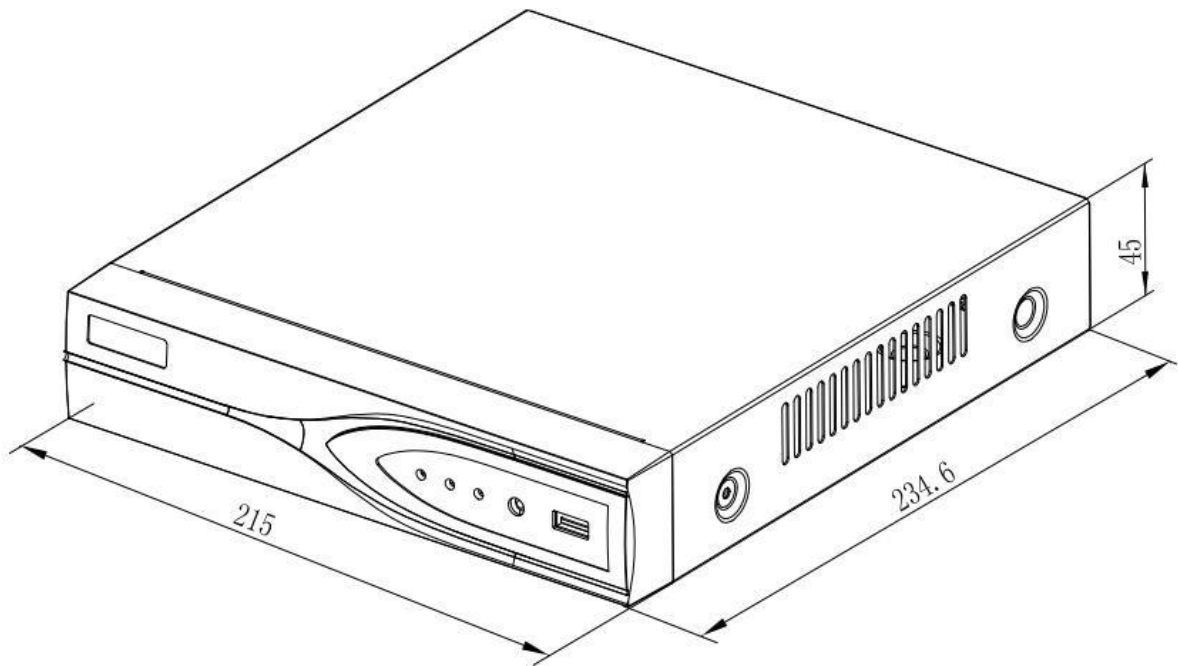
1.4 Specification Table

		TVR6100GT					
Model		ZN-TVR6104 GT-JN	ZN-TVR6104 GT-AM	ZN-TVR6108 GT-JN	ZN-TVR6108 GT-AM	ZN-TVR6116 GT-JQ	ZN-TVR6116 GT-JS
System		Embedded Linux					
Video/ Audio Input	Video Input	4 ch		8 ch		16 ch	
		CVBS/TVI/AHD/CVI/IP					
		TVI/AHD/CVI camera reverse control (UTC)					
		BNC interface（1.0Vp-p,75ohms）					
		TVI4MP/AHD4MP/TVI3MP/AHD3MP/CVI3MP/TVI1080P/TVI720P/AHD1080P/AHD720P/CVI1080P/CVI720P/960H/D1					
	IPC Channel	32Mbps		64Mbps		128Mbps	
		Up to 2048*1536@30FPS					
	Audio Input	1 ch，RCA interface(2Vpp,1Kohms)					
	Two-way Voice Talk	Reuse Audio In/Out,RCA					
Video/ Audio Output	CVBS	1ch,BNC Interface(1.0Vp-p,75ohms)					
	VGA	1ch,1920×1080,1280×1024,1366×768,1280×720,1024×768					
	HDMI	Ver. 1.3a				Ver. 1.4a	
		1920×1080,1280×1024,1366×768,1280×720,1024×768				3840×2160，1920×1080,1280×1024,1366×768,1280×720,1024×768	
	Audio Output	1ch,RCA Interface(Line out,2Vpp,300ohms)					
Recording	Real-time Resolution	half-4MP，2048*1536，1080P，720P，WD1，D1					
	Compression	H.264 High Profile@Level4.2					
	Resolution	Main-stream：half-4MP,3MP,1080P,720P，WD1，D1 Sub-stream：CIF，QCIF					
	Encoding Capability	4ch 1080P@12FPS/ 4ch 3MP@12FPS		8ch 1080P@12FPS/ 8ch 3MP@12FPS		16ch 1080P@12FPS/ 16ch 3MP@12FPS	
	Video Frame	half-4MP/3MP/1080P：1～12fps；720P/WD1/D1：1～30fps					
	Bit Rate	VBR / CBR					

	Control					
	Bit Rate Range	32Kbps~4096Kbps				
	Stream Type	Composite stream/Video stream				
	Audio Compression	G.711A				
	Audio Bit Rate	64Kbps				
	Double stream	Support, up to CIF@30FPS				
Video/ Audio Decoding	Decoding Standard	H.264 High Profile@Level4.2				
	Multi-channel Playback	Up to 4ch		Up to 8ch		Up to 16ch
	Max. Decode Capability	≥4ch 1080P@12FPS/ 2ch 3MP@12FPS		≥6ch 1080P@12FPS/ 2ch 3MP@12FPS		≥16ch 1080P@12FPS/ 4ch 3MP@12FPS
Intelligence Feature		1CH Face Detection or 4CH Intrusion Detection				2CH Face Detection or 8CH Intrusion Detection
Other	Two-way Voice Talk	Two-way voice intercom function				
	Motion Detection	Each Channel Support 396 (22×18) Detection Area; Support Multi-level Sensitivity				
	Mask	Each Channel Support 4 Zones for Privacy Masking				
	Snapshot	Support JPEG Snapshot				
HDD	SATA	1				2
	Max. Capacity	Unlimited				
External Interface	Network Interface	1 RJ45;10M/100M Suitable Ethernet Port				1 RJ45;10M/100M/1000M Suitable Ethernet Port
	USB Interface	2 USB2.0				
	RS-485	N/A	N/A	N/A	N/A	1, Half-duplex
Structure	Packing	410x293*60 mm	250x355x55 mm	410x293*60 mm	250x355x55 mm	370x305x115mm / 405x335x120mm
	Dimensions	215x235x45 mm	215x215x50 mm	215x235x45 mm	215x215x50 mm	320x246x48 mm / 360x262x48 mm
	Installation	Desktop Installation				
Electrical	Humidity					
	Consumption	6W(Not Include HDD)		8W(Not Include HDD)		16W(Not Include HDD)
	Power Supply	DC +12V 2A				DC +12V 3.3A / DC +12V 4A

Perfor mance	Working Temperatur e	0℃--＋55℃
	Working	10％--90％

Dimension:

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