

# DS-7100HGHI-F1 SERIES TURBO HD DVR

### **Key Features**

- Support H.264+/H.264 video compression
- Support HDTVI/AHD/CVI/CVBS/IP video input
- Up to 4-ch 960p IP camera input for DS-7104HGHI-F1, up to 8/16-ch 1080p IP camera input for DS-7108/7116HGHI-F1
- Max. 1200 m for 720p HDTVI signal











# **Compression and Recording**

- H.264 + video compression improves encoding efficiency and reduces data storage costs
- Support 1080p lite of all channels. When 1080p lite is on, the image effect is similar with 1080p

#### **Storage and Playback**

- One SATA interface (up to 6 TB capacity per HDD)
- Smart search for efficient playback

#### **Smart Function**

• VQD (Video Quality Diagnostics)

#### **Network & Ethernet Access**

- Hik-Connect & DDNS (Dynamic Domain Name System) for easy network management
- Output bandwidth limit configurable





# **Specifications**

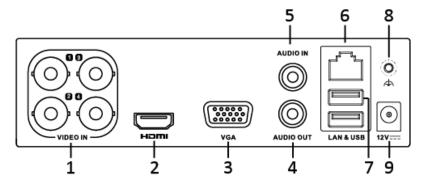
Video compression	Model	DS-7104HGHI-F1	DS-7108HGHI-F1	DS-7116HGHI-F1	
### Brooding resolution    When 1080p Lite mode enabled: 1720p/WD1/4CIF/VGA/CIF	Recording				
## When 1080p Lite mode enabled: 1080p Inte/720p/WD1/4CIF/VGA/CIF  ## Main stream: When 1080p Lite mode not enabled: For 720p stream access: 720p/WD1/4CIF/VGA/CIF@25fps (P)/30fps (N) When 1080p Lite mode enabled: For 720p stream access: 720p/WD1/4CIF/VGA/CIF@25fps (P)/30fps (N) When 1080p Lite mode enabled: For 720p stream access: 720p/WD1/4CIF/VGA/CIF@25fps (P)/30fps (N) Sub-stream: 2CIF@6fps; CIF/QVGA/CICI@ 25fps (P)/30fps (N) Sub-stream: 4CIF/2CIF@6fps; CIF/QVGA/CIF@25fps (P)/30fps (N) Support Stream type Video, Video & Audio Audio Compression G.711u Support Stream type Video and Audio Sub-stream: 4CIF/2CIF@6fps; CIF/QVGA/CIF@25fps (P)/30fps (N) Support Stream type Video and Audio Sub-stream Support H.264+/H.264 IP cameras  ## Up to 4-ch Up to 8-ch Up to 16-ch Up to 16-ch Up to 9560p resolution Up to 1080p resolution Support H.264+/H.264 IP cameras  ## Analog video input 1080p25, 1080p30, 720p25, 720p30  ## BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection Turbo HD input 1080p25, 1080p30, 720p25, 720p30  ## Up to 16-ch Up to 1080p25, 1080p30, 720p25, 720p30  ## Up to 16-ch Up to 1080p25, 1080p30, 720p25, 720p30  ## Up to 16-ch Up to 1080p25, 1080p30, 720p25, 720p30  ## Up to 16-ch Up to 1080p25, 1080p30, 720p25, 720p30  ## Up to 16-ch Up to 1080p25, 1080p30, 720p25, 720p30  ## Up to 16-ch Up to 1080p25, 1080p30, 720p25, 720p30  ## Up to 16-ch Up to 1080p25, 1080p30, 720p25, 720p30  ## Up to 16-ch Up to 1080p25, 1080p30, 720p25, 720p30  ## Up to 16-ch Up to 1080p25, 1080p30, 720p25, 720p30  ## Up to 16-ch Up to 1080p25, 1080p30, 720p25, 720p30  ## Up to 16-ch Up to 1080p25, 1080p30, 720p25, 720p30  ## Up to 16-ch Up to 1080p25, 1080p30, 720p25, 720p30  ## Up to 16-ch Up to 1080p25, 1080p30, 720p25, 720p30  ## Up to 16-ch Up to 1080p25, 1080p30, 720p25, 720p30  ## Up to 16-ch Up to 1080p25, 1080p30, 720p25, 720p30	Video compression	H.264+/H.264			
When 1080p Lite mode enabled: 1080p Lite/720p/WD1/4CIF/VGA/CIF	Encoding resolution	When 1080p Lite mode not enabled: 720p/WD1/4CIF/VGA/CIF			
When 1080p Lite mode not enabled:   For 720p stream access: 720p/WD1/4CIF/VGA/CIF@25fps (P)/30fps (N) When 1080p Lite mode enabled:   1080p lite/720p/WD1/4CIF/VGA/CIF@25fps (P)/30fps (N)     Sub-stream:	Encouning resolution	When 1080p Lite mode enabled: 1080p lite/720p/WD1/4CIF/VGA/CIF			
SciFe@6fps;   CIF/QVGA/QCIF@   25fps (P)/30fps (N)	Frame rate	When 1080p Lite mode not enabled: For 720p stream access: 720p/WD1/4CIF/VGA/CIF@25fps (P)/30fps (N) When 1080p Lite mode enabled:			
Dual stream         Support           Stream type         Video, Video & Audio           Audio compression         G.711u           Audio bit rate         64 Kbps           Video and Audio           Up to 4-ch         Up to 1080p resolution         Up to 16-ch           Support H.264+/H.264 IP cameras           Analog video input         4-ch         8-ch         16-ch           BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection           HDCVI input         1080p25, 1080p30, 720p2t5, 720p30         HDCVI input           4 Ch         1080p25, 1080p30, 720p2t5, 720p30         HDCVI input           4 Ch         1080p25, 1080p30, 720p2t5, 720p30         HDCVI input           4 Ch         1080p25, 1080p30, 720p2t5, 720p30         HDCVI input         1080p25, 1080p30, 720p2t5, 720p30           CVBS input         1080p25, 1080p30, 720p2t5, 720p30         CVBS input           HDCVI input         1080p25, 1080p30, 720p2t5, 720p30         CVB           Audio input         1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz           Audio input         1-ch, RCA (Linear, 1 KΩ)		2CIF@6fps; CIF/QVGA/QCIF@	4CIF/2CIF@6fps;		
Stream type         Video, Video & Audio           Audio compression         G.711u           Audio bit rate         64 Kbps           Video and Audio           IP video input         Up to 4-ch         Up to 1080p resolution         Up to 16-ch           Byport H.264+/H.264 IP cameras           4-ch         8-ch         16-ch           BNC interface (1.0 Vpp., P7 SQ), supporting coaxitron connection           Turbo HD input         1080p25, 1080p30, 720p25, 720p30           HDCVI input         1080p25, 1080p30, 720p25, 720p30           CVBS input         Support           HDMI/VGA output         1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz           Audio input         1-ch, RCA (2.0 Vp-p, 1 KΩ)           Audio output         1-ch, RCA (Linear, 1 KΩ)           Two-way audio         Reuse the first audio input           Synchronous playback         4-ch         16-ch           Network           Remote connections         3         128           Network p	Video bit rate	32 Kbps to 4 Mbps			
Audio compression         G.711u           Audio bit rate         64 Kbps           Video and Audio           IP video input         Up to 4-ch         Up to 1080p resolution         Up to 16-ch           Support H.264+/H.264 IP cameras           4-ch         8-ch         16-ch           BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection         1080p25, 1080p30, 720p25, 720p30           AHD input         1080p25, 1080p30, 720p25, 720p30           HDCVI input         1080p25, 1080p30, 720p25, 720p30           CVBS input           HDMI/VGA output         1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz           Audio input         1-ch, RCA (2.0 Vp-p, 1 KΩ)           Audio output         1-ch, RCA (Linear, 1 KΩ)           Two-way audio         Reuse the first audio input           Synchronous playback         4-ch         8-ch         16-ch           Network           TCP/IP, PPPOE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, SMTP, NFS, iSCSI, UPnP™, HTTPS           Network interface         1, RJ45 10M/100M self-adaptive Ethernet interface           Auxiliary interface           SATA         1 SATA interface <th>Dual stream</th> <th colspan="3">Support</th>	Dual stream	Support			
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IP video input   Up to 960p resolution   Up to 1080p resolution   Support H.264+/H.264  P cameras	Video and Audio				
4-ch   8-ch   16-ch	IP video input	Up to 960p resolution	Up to 1080p resolution		
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Network protocols  TCP/IP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, SMTP, NFS, iSCSI, UPnP™, HTTPS  Network interface  1, RJ45 10M/100M self-adaptive Ethernet interface  Auxiliary interface  SATA  1 SATA interface  Capacity  Up to 6 TB capacity for each disk  Alarm in/out  N/A  USB interface  Rear panel: 2 × USB 2.0		22	120		
Auxiliary interface  SATA 1 SATA interface  Capacity Up to 6 TB capacity for each disk  Alarm in/out N/A  USB interface Rear panel: 2 × USB 2.0		TCP/IP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, SMTP, NFS, iSCSI, UPnP™,			
SATA 1 SATA interface  Capacity Up to 6 TB capacity for each disk  Alarm in/out N/A  USB interface Rear panel: 2 × USB 2.0	Network interface				
Capacity  Up to 6 TB capacity for each disk  Alarm in/out  N/A  USB interface  Rear panel: 2 × USB 2.0	Auxiliary interface				
Alarm in/out N/A USB interface Rear panel: 2 × USB 2.0	SATA	1 SATA interface			
USB interface Rear panel: 2 × USB 2.0	Capacity	Up to 6 TB capacity for each disk			
	Alarm in/out	N/A			
General	USB interface	Rear panel: 2 × USB 2.0			
	General				



Power supply	12 VDC		
Consumption (without HDD)	≤8 W	≤ 12 W	≤ 20 W
Working temperature	-10 °C to 55 °C (14 °F to 131 °F)		
Working humidity	10% to 90%		
Dimensions (W × D × H)	200 × 200 × 45 mm (7.9 × 7.9 × 1.8 inch)		285 × 210 × 45 mm (11.2 ×
			8.3 × 1.8 inch)
Weight (without HDD)	$\leq 0.8 \text{ kg } (1.8 \text{ lb})$ $\leq 1.2 \text{ kg } (2.6 \text{ lb})$		≤ 1.2 kg (2.6 lb)



## **Physical Interfaces**





The rear panel of DS-7108/7116HGHI-F1 provides 8/16 video input interfaces.

No.	Description	No.	Description
1	VIDEO IN	6	LAN Network Interface
2	HDMI Interface	7	USB Interfaces
3	VGA Interface	8	GND
4	AUDIO OUT, RCA Connector	9	12 VDC Power Input
5	AUDIO IN, RCA Connector		

#### **Available Models**

DS-7104HGHI-F1, DS-7108HGHI-F1, DS-7116HGHI-F1

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