

## SP-DVR-4/8/16-E-PAL



Texas Instruments.

QCIF, CIF, 2CIF, DCIF, 4CIF

25

( , )

8
 , 2
 USB-flashdisk
Web

PTZ

DNS

Spectator Service Center (SSC)

Virtual Guarding, Virtual Gate keeping VOaaS (Video Observation as a Service)

25 IPS AT 4CIF
ACROSS ALL CHANNELS
SIMULTANEOUSLY



Nieuwstraat 2, 4921 CX Made, The Netherlands

# SP-DVR-4/8/16-E-PAL

		SP-DVR-4-E-PAL	SP-DVR-8-E-PAL	SP-DVR-16-E-PAL		
			PAL:704*576(4CIF) NTSC:704*480(4C	IF)		
	4CIF,	25	25	25		
	CIF,	25	25	25		
.\ .	4CIF (PAL/NTSC)	100/120	200/240	400/480		
		4	8	16		
- BNC	1.0Vp-p, 75Ω	4	8	16		
	1.0Vp-p, 75Ω	1 BNC	, VGA 1024x768/60Hz (	)		
	1.0Vp-p, 75Ω		1 BNC			
Loop trought Video out	1.0Vp-p, 75Ω		Χ			
			32kbps2Mbps (	)		
	BNC (2.0Vp-p, 1KΩ)	4	8	16		
	, 600 Ω		1 BNC			
		OggVorbis,16kbps Voice interface				
		RJ-45 10M/100M UTP network port				
		DB-9 RS-232 port				
		4-pin screw terminal RS-485/RS-422 PTZ port				
		4-pin RS-485 port for RS-KEYB-RS				
			1 RJ-45 port			
HDD		SATA , . 4 HDD	1 DVD-RW (	8 HDD DVD-RW)		
USB			3 x USB 2.0			
			USB Flash disk,USB HDD,USB CD	-R/W, USB-DVD		
		4	16	16		
		2	4	4		
			90 - 135VAC 180 - 265VAC, 50 / 6	0 Hz		
		22W - 42W ( HDD)				
			-10 °C - +55 °C			
			10% - 90%			
			19 " (450 *450 *95 )			
			8 .( HDD)			
E-Mail			JPEG,	SMTP		
DNS			ONS SSC, DynDNS.org Pean	ut shell		

SP\_DVR\_1\_F\_PAI

SP\_DVR\_8\_F\_PAI

SP\_DVR\_16\_F\_PAI

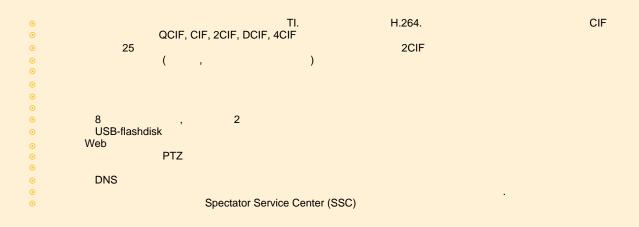
- DVR
- SATA CABLES
- HDD fixing screws Optical USB Mouse
- Remote Control
- 19" Brackets
- SP-DVR-4-E-PAL
- SP-DVR-8-E-PAL
- SP-DVR-16-E-PAL
- SP-E-PAL-HDD Bracket
- SP-DEC
- SP-KEYB-RS

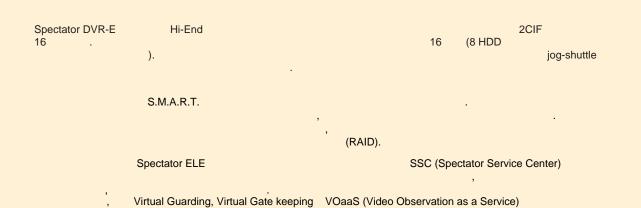
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SPECTATOR VIDEO TECHNOLOGY

## SP-DVR-4/8/16-E







25 IPS AT 2CIF ACROSS ALL CHANNELS SIMULTANEOUSLY



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## SP-DVR-4/8/16-E



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www.spectator-video.com

				SP-DVR-	4-E	S	P-DVR-8-E	:	SP-DVR-16	i-E
						H.264	(QCIF - 4CIF)			
					PA	L:704*576(4C	F) NTSC:704*480(4	CIF)		
		4CIF, .\ .		8			12		12	
		DCIF		8			12		12	
		2CIF		25			25		25	
		CIF, .\ .		25			25		25	
	۸.	4CIF (PAL/NTSC)		100/120	)		200/240		400/480	
		Synchrone channels		4		8			16	
	- BNC	1.0Vp-p, 75Ω)		4		8			16	
		1.0Vp-p, 75Ω		1	BNC	, VC	GA 1024x768/60Hz (		]	)
		1.0Vp-p, 75Ω					1 BNC			
		1.0Vp-p, 75Ω					X			
						32kbps2Mbp	s (	)		
		BNC (2.0Vp-p, 1KΩ)		4			8		16	
		, 600 Ω	1 RCA							
			OggVorbis,16kbps Voice interface							
			RJ-45 10M/100M UTP network port							
			DB-9 RS-232 port							
			4-pin screw terminal RS-485/RS-422 PTZ port							
						4-pin RS-485	port for RS-KEYB-RS			
						1	RJ-45 port			
	HDD		SATA	,	. 4 HDD	1 DVD-RW (			8 HDD	DVD-RW)
USB						3	x USB 2.0			
					US	B Flash disk,l	JSB HDD,USB CD-R/	W, USB-DVD		
				4			16		16	
				2			4		4	
					90 -		180 - 265VAC, 50 / 60	) Hz		
							42W ( HDD)			
							°C - +55 °C			
							0% - 90%			
							(450 *450 *95	)		
	E Moil						8 . ( HDD)	OLITO		
	E-Mail						JPEG,	SMTP		

DNS SSC, DynDNS.org Peanut shell

- DVR
- SATA CABLES
- HDD fixing screws Optical USB Mouse
- Remote Control
- 19" Brackets
- SP-DVR-4-E
- SP-DVR-8-E
- SP-DVR-16-E
- SP-E-HDD Bracket

DNS

- SP-DEC
- SP-KEYB-RS

# SP-DVR-4/8/16-ELE



. H.264.
 4CIF
 4USB-flashdisk
 Web
 PTZ
 DNS
 Spectator Service Center (SSC)

Spectator DVR-ELE SP-DVR-LE.
, 4CIF
, jog-shuttle

 ELE
 ,
 Linux,

 TI DaVinci
 .
 Linux,

 ,
 Flash
 HDD.

S.M.A.R.T. .

Spectator ELE SSC (Spectator Service Center)

(RAID).

Virtual Guarding, Virtual Gate keeping VOaaS (Video Observation as a Service)



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## SP-DVR-4/8/16-ELE

۸.	CIF (PAL/NTSC)	100	)/120	200/240		
	Synchrone channels	4		8		
- BNC	1.0Vp-p, 75Ω)	4		8		
	1.0Vp-p, 75Ω	1	BNC	, VGA 1024x	768/60Hz (	
	1.0Vp-p, 75Ω			1 BNC		
(loop)	1.0Vp-p, 75Ω			DB-15	BNC	
				32kbps2Mbps (	)	
	BNC (2.0Vp-p, 1KΩ)		4	4		
	, 600Ω			1 RCA		
				OggVorbis,16kbps Void	ce interface	
				RJ-45 10M/100M UTP r	network port	
				DB-9 RS-232 p	port	
			4-p	in screw terminal RS-485/	RS-422 PTZ port	t
				4-pin RS-485 port for R	S-KEYB-RS	
				1 RJ-45 por	t	
HDD		SATA	, . 2 HDD	1 DVD-RW (		
DVD-S						
USB				2 x USB 2.0		
			Support U	SB flash disk,USB HDD,U	JSB CD-R/W, US	B-DVD
			4	16		
			4	4		
			90	- 135VAC 180 - 265	VAC, 50 / 60 Hz	

SP-DVR-4-ELE

8

16

25

4CIF, .\ .

2CIF, .\ .

CIF, .\ .

E-Mail

DNS

SP-DVR-8-ELE

H.264 (QCIF - 4CIF)

PAL:704\*576(4CIF) NTSC:704\*480(4CIF)

8

16

25

22W - 42W ( HDD)

10% - 90%

7.6 . ( HDD)

SSC, DynDNS.org

JPEG,

(400 \*390 \*70 )

SMTP

Peanut shell

19 "

SP-DVR-16-ELE

6

4 HDD DVD-RW)



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DVRSATAHDD 1

SATA CABLES

HDD fixing screws

Optical USB Mouse

Remote Control

19" Brackets

Video loop through cable(s)

• SP-DVR-4-ELE

• SP-DVR-8-ELE

• SP-DVR-16-ELE

SP-ELE-HDD Bracket

SP-DEC

SP-KEYB-RS

## SP-DVR-4-S





TI Davinci. H.264
 CIF
 Web
 PTZ
 Spectator Service Center (SSC)

SP-DVR-4-S

HDD LAN,

Spectator Service Center (SSC), Virtual Gatekeeping.

,

		SP-DVR-4-S
		H.264 real time each channel
		PAL:176*144(QCIF), PAL:352*288(CIF)
	- BNC	4 BNC (1.0Vp-p, 75 Ω )
		2 BNC (1.0Vp-p, 75Ω) 1 1
VGA		1 VGA, 800×600/60Hz, 1024×768/60Hz, 1280 ×1024/60Hz
	, \ .	100 ips / 120 ips
		32kbps2Mbps ( )
		1 RCA (2.0Vp-p, 1K Ω)
		1 RCA ( $,600\Omega$ )
		OggVorbis,16kbps Voice interface
		1 RJ-45 10M/100M UTP network port, 1 4-pin srew terminal RS-485 port
	HDD	1 SATA , 2
USB		1 USB 2.0, USB Flash disk,USB HDD,USB CD-R/W
		4
		1
		12VDC,
		<10W
		-10 °C - +55 °C
		10% - 90%
		315 x 230 x 45

SPECTATOR VIDEO TECHNOLOGY

USB

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External power supply

Remote control

SATA-cable and HDD fixing screws

Optical USB mouse

• SP-DVR-4-S

SP-DEC

## **SP-DVR-ATM**





```
5 LCD
TI DSP. H.264
QCIF, CIF, 2CIF, DCIF, 4CIF
25

USB-Flashdisk
( )
Web
PTZ

IP (DynDNS)
E-mail
Spectator Service Center (SSC)
```

 Spectator ATM DVR
 ATM.

 4 HDD
 8
 ,

 6
 (
 ).
 .

 .
 (RS-232, RS-485, Ethernet)
 .
 .

 ATM
 .
 2
 4

 5
 .
 Spectator ATM DVR
 Spectator Central Spectator Central Centr



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#### SP-DVR-ATM

	SP-DVR-2-ATM SP-DVR-4-ATM				
	H.264				
	PAL:704*576(4CIF) NTSC:704*480(4CIF)				
	PAL:704*576(4CIF) (6 ips/channel) NTSC:704*480(4CIF) (7 ips/channel)				
	PAL:704*288(2CIF) (12 ips/channel) NTSC:704*240(2CIF) (14 ips/channel)				
	PAL:528*384(DCIF) (8 ips/channel) NTSC:528*320(DCIF) (10 ips/channel)				
	PAL:352*288(CIF) (25 ips/channel) NTSC:352*240(CIF) (30 ips/channel)				
	PAL:176*144(QCIF) (25 ips/channel) NTSC:176*120(QCIF) (30 ips/channel)				
- BNC (1.0Vp-p, 75Ω)	2 channels 4 channels				
$(1.0 \text{Vp-p}, 75\Omega)$	1 BNC				
VGA	1, 800x600/60Hz, 800x600/75Hz, 1024x768/60Hz				
: PAL	50				
: NTSC	60				
	32kbps2Mbps ( )				
	2 channels 4 channels				
	1 Audio BNC output				
	OggVorbis,16kbps Voice interface				
	1 BNC (Line in, 1KΩ)				
	1 RJ-45 10M/100M UTP network port				
	1 RJ-45 RS-232 port				
	1 RJ-45 RS-485 port				
HDD	SATA interface, max. 4 HDD's				
USB	1 USB, support USB1.1;				
	Support USB flash disk,USB HDD,USB CD-R/W				
	5 5				
	2 4				
	100 - 240VAC, 50 / 60 Hz				
	22W - 42W (without HDD)				
	-10 °C - +55 °C				
	10% - 90%				
	180 *180 *280 )				
	<5kg (without HDD)				
E-Mail	JPEG, SMTP				
DNS	DNS SSC, DynDNS.org Peanut shell				



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www.spectator-video.com

DVR

• RS-232 CABLE

SATA CABLES

HDD fixing screwsOptical USB Mouse

Remote Control

SP-DVR-2-ATM

SP-DVR-4-ATM

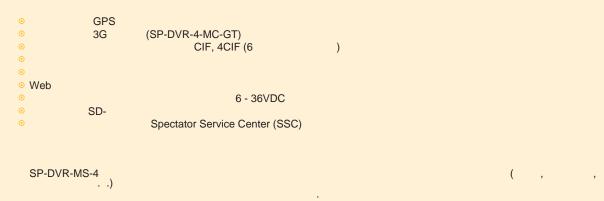
SP-DVR-2-ATM-LCD (with LCD)

• SP-DVR-4-ATM-LCD (with LCD)

SP-DEC

# SP-DVR-MS-4-G(T)





GPS

FUSE ANT GPS J1 J2 J3 J2 J3 J4 J5 J6

1. 2. GSM/3G 3. GPS 4. J1: , 5. J2: , , RS-485 6. J3: , ,

Remote control (wired)
Connection cables for J1,J2,J3
GPS antenna
3G antenna (SP-DVR-MS-4-GT only)
SP-DVR-MS-4-G
SP-DVR-MS-4-GT (Build in 3G module)

		SP-DVF	R-MS-4-G(T	)			
		H.264			CIF	, 4CIF 6	
		PAL:17	6*144(QCII	F), PAL:352*288(	CIF)		
		4	BNC (1.0	OVp-p, 75 Ω)			
		1 BNC	(1.0Vp-p, 7	'5Ω)			
VGA		-					
	(PAL\NTSK)	100 ips	/ 120 ips				
		32kbps	s2Mbps	(	)		
		2	RCA (2.0	0-2.4Vp-p, 1KΩ))			
		1	RCA	(	, $600\Omega$ )		
		OggVo	rbis,16kbps	Voice interface			
		1 RJ-45	5 10M/100N	I UTP network po	ort, 1 RS-485 port		
	SD	1 SD		16			
USB		1 USB	2.0,	USB Flash o	lisk,USB HDD,USI	B CD-R/W	
		7					
		2					
					6-36VDC		
		< 10W					
		-10 °C	- +55 °C				
		10% - 9					
		150	x 45 x 1	05			
		<1.					



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#### SP-DVR-MC-4

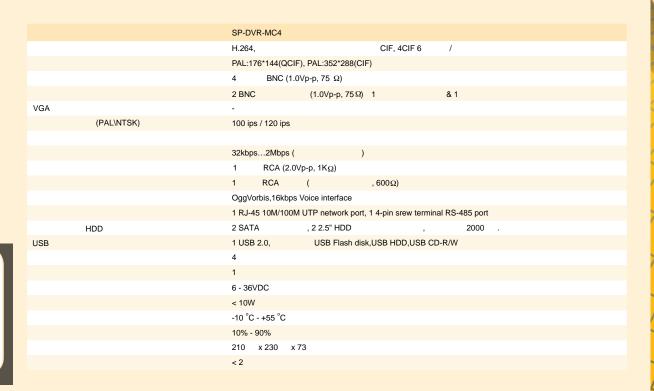




```
1. DC IN -
2. KEY -
3.
4. +12VDC/+5VDC
5. USB
6. (4Ch)
7.
8.
9.
10. LAN
11.
12.
13. RS-485
```



⊙ ⊙		CIF, 4CIF (6	)				
<ul><li>Web</li></ul>							
⊙ ⊙	HDD	6-36VDC					
<b>⊙</b>		Spectator Service Center (SSC)					
SP-DVR-M-4				(	,	),	6-36 VDC

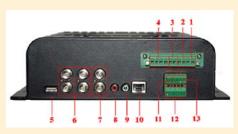




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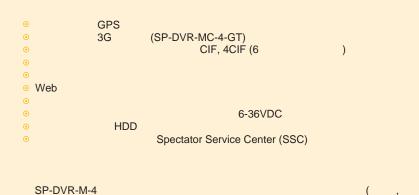
# SP-DVR-MC-4-G(T)





```
1. DC IN -
2. KEY -
3.
4. +12VDC/+5VDC
5. USB
6. (4Ch)
7.
8.
9.
10. LAN
11.
12.
13. RS-485
```

- Mobile DVR Remote control
- Remote controlExternal GPS-mouse
- Connection cables
- ⊙ 3G antenna (SP-DVR-MC-4-GT only)
- SP-DVR-MC-4-G
- SP-DVR-MC-4-GT (Build in 3G module)



	SP-DVR-MC4			
	H.264,		CIF, 4CIF 6	1
	PAL:176*144(QCIF), F	PAL:352*288(CIF)		
	4 BNC (1.0Vp-	-p, 75 Ω)		
	2 BNC	(1.0Vp-p, 75 Ω) 1		& 1
	-			
(PAL\NTSK)	100 ips / 120 ips			
	32kbps2Mbps (	)		
	1 RCA (	,	600Ω)	
	OggVorbis,16kbps Voi	ice interface		
			4-pin srew terminal	RS-485 port
HDD				
	1 USB 2.0,	USB Flash disk,U	ISB HDD,USB CD-F	R/W
	4			
	1			
	6 - 36VDC			
	< 10W			
	-10 °C - +55 °C			
	10% - 90%			
	210 x 230 x 73			
	< 2			
		H.264, PAL:176*144(QCIF), I  4 BNC (1.0Vp  2 BNC - (PALINTSK)  100 ips / 120 ips  32kbps2Mbps (  1 RCA (2.0Vp-  1 RCA (  OggVorbis,16kbps Vo  1 RJ-45 10M/100M U  HDD  2 SATA , 1 USB 2.0,  4  1 6 - 36VDC < 10W -10 °C - +55 °C 10% - 90% 210 x 230 x 73	H.264, PAL:176*144(QCIF), PAL:352*288(CIF) 4 BNC (1.0Vp-p, 75 Ω) 2 BNC (1.0Vp-p, 75 Ω) 1 - (PAL\NTSK) 100 ips / 120 ips  32kbps2Mbps ( ) 1 RCA (2.0Vp-p, 1KΩ) 1 RCA ( , OggVorbis,16kbps Voice interface 1 RJ-45 10M/100M UTP network port, 1 HDD 2 SATA , 2 2.5" HDD 1 USB 2.0, USB Flash disk,L 4 1 6 - 36VDC < 10W -10 °C - +55 °C 10% - 90% 210 x 230 x 73	H.264, CIF, 4CIF 6  PAL:176*144(QCIF), PAL:352*288(CIF)  4 BNC (1.0Vp-p, 75 Ω)  2 BNC (1.0Vp-p, 75 Ω) 1  - (PAL\NTSK)  100 ips / 120 ips  32kbps2Mbps ( )  1 RCA (2.0Vp-p, 1KΩ)  1 RCA ( , 600Ω)  OggVorbis,16kbps Voice interface  1 RJ-45 10M/100M UTP network port, 1 4-pin srew terminal  HDD 2 SATA , 2 2.5" HDD ,  1 USB 2.0, USB Flash disk,USB HDD,USB CD-F  4  1 G - 36VDC  < 10W  -10 °C - +55 °C  10% - 90%  210 × 230 × 73

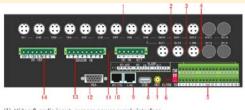


6-36 VDC

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# SP-DVR-8/12-M





(I) t	Video & audio input, camera power supply interface
(2)	Video & audio main output
(3)	Video & audio aux output
(4)	Voice talk interface
(5)	RS-485, KB, ALARM IN, ALARM OUT interface
(6)	RS-485 switch
(7)	GPS antenna interface
(8)	USB interface
(9)	LAN network interface
00	RS-232 interface
OID.	Power supply input, ignition switch interface
(12)	VGA interface
(13)	Vehicle state records interface
040	DC12V, 5V power supply output

<ul><li>Remote control</li><li>HDD fixing screws</li></ul>	
<ul> <li>SP-DVR-8-M</li> <li>SP-DVR-12-M</li> <li>SP-DVR-8-MG (incl. GPS option)</li> <li>SP-DVR-12-MG (incl. GPS option)</li> </ul>	

<b>⊙</b>		4CIF				
⊚	GPS					
<ul><li>eSata</li></ul>						
<b>⊙</b>						
<b>⊙</b>						
<ul><li>Web</li></ul>						
<b>⊙</b>						
•	SATA HDD					
•						
•	Spectator Service Center (SSC)					
00 000 000			,		,	
SP-DVR-8//12-M			(	,	),	
•						6-36 VDC
•	ODC					
	GPS ,					

	SP-DVR-8-M	SP-DVR-12-M		
	H.264 4CIF			
	PAL:704*576(4CIF) NTSC:704*480(4CIF)			
(1.0Vp-p,75 <u>Ω</u> )	8 channels	12 channels		
(1.0Vp-p,75 ♀)	1 1 aux ,1 VGA: 800x600/	60Hz, 800x600/75Hz, 1024x768/60Hz		
(PAL\NTSK)	200 ips	300 ips		
	32kbps2Mbps (	)		
(2.0Vp-p, 1KΩ)	8	12		
- , 600Ω	1 ,1 a	ux		
	OggVorbis,16kbps Voice interface			
	1 RJ-45 10M/100M UTP network port, 1 RJ-45 RS-23	2 port, 1 srew terminal RS-485 port		
HDD	2 SATA, 1 eSATA			
USB	1, USB Flash disk,USB	HDD,USB DVD-RW		
	16			
	4			
	6-36 VDC			
	35W ( HDD)	47W ( HDD)		
/	-20 °C - +65 °C / 10% -	95%		
	290 * 225 * 90			
	5kg ( HDD)			



Nieuwstraat 2, 4921 CX Made, The Netherlands