

# SMT-190DN SMT-190DP

19" LCD Built-in With DVR,  
2 Weather Resistant Cameras,  
2 Night Vision cameras



- 19" AML LTM190EX-L31 LCD with 8CH (BNC/RJ-11) Built-in DVR
- 8 Channel Video & Audio Time-Lapse recording capability
- High Picture Quality : MPEG4
- Remote Monitoring and control through Network (LAN)
- Various Recording (Normal, Schedule, Motion, Alarm)
- Live viewing/Recording during playback (Triplex)
- Various network environments (TCP/IP, PPPoE, DDNS)

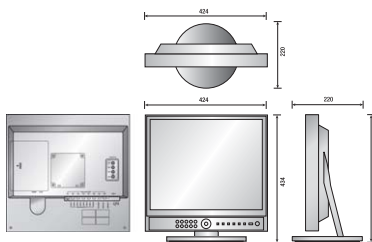
## Specifications

Model	SMT-190D(N)(P)	SMT-190DK(P)
<b>Operation System</b>		
Linux		
<b>Video</b>		
<b>Video System</b>	NTSC/PAL	NTSC
<b>Video Input</b>	VGA : 1 EA BNC Type : 8 EA DIY Camera(RJ-11) : 8EA	
<b>Video Output</b>	Composite 1 Channel(CVBS)	
<b>Display Mode</b>	Single, Multi Screen(4, 9), PIP, Sequence, Freeze, Digital 2X Zoom	
<b>Display Horizontal Resolution</b>	450 TV LINE (Live full mode)	
<b>Sequence Event List</b>	Select between 0 sec to 60 sec Recorder Time, Alarm/Motion, Power, Loss CH	
<b>Function</b>	Zoom, PIP, Sequence, Freeze, Power Save, Display Mode	
<b>Audio</b>		
<b>Audio Input</b>	Mono 8Channels : CAMERA 8 CH (RJ-11) -For DIY Camera MIC. 4 Channel input, RCA Type	
<b>Audio Output</b>	Mono 1 Channel	
<b>Alarm/Motion</b>		
<b>Input</b>	Alarm Inputs(8 cameras)	
<b>Output</b>	1(Terminal Jack), A/O (HOT, COLD) : Relay Active	
<b>Alarm Reset</b>	1(Terminal Jack), A/R (Alarm Reset) : Open Collector "L" Level, Pulse Width = 150ms or above	
<b>Pre Alarm</b>	OFF, 1sec, 2sec, 3sec, 4sec, 5sec	
<b>Duration</b>	5sec ~ 59sec, 1M, 2M ~ 30M	
<b>Buzzer</b>	Yes	
<b>Motion Detection</b>	Each CH Level : High, Normal, Low	
<b>Network</b>		
<b>Remote Viewer</b>	Multi viewer(Favorite function) -MAX 9 division Use exclusive codec for network transmission -No dependency with the recording condition A/V stream transmit Protocol -TCP/IP Using DDNS server, Dynamic IP connection Live monitoring Record in remote PC.	
<b>Compression</b>	MPEG4-I	
<b>Network</b>	Supports 10/100Base-T	
<b>Network Protocol</b>	TCP/IP, DHCP, PPPoE, DDNS	
<b>PC Environment</b>	Windows 2000, Windows XP, Windows NT, Windows VISTA	
<b>Remote Monitoring Speed</b>	Average 2Mbps bandwidth	
<b>PC Backup</b>	live image recording, Play back by viewer	
<b>Remote Searching</b>	Date/Time, Event List Search	
<b>Snap Shot</b>	1 snap image recording	
<b>Security</b>	Password / User name Protection	
<b>E-Mail sending</b>	alarm occur e-mail(0.5sec/5image/5recipient)	
<b>Web Browser</b>	Internet Explorer 5.5 up	
<b>Remote Function</b>	Single/Quad Display Control, Sequence,	
<b>Control</b>	Large/Small Display	
<b>Max Connector</b>	Max 10 person, 4 person guarantee	

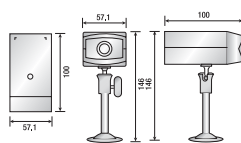
Model	SMT-190D(N)(P)	SMT-190DK(P)
<b>REC/Play /Searching</b>		
<b>Video REC/PB Speed</b>	60ips	
<b>Video CODEC</b>	MPEG4	
<b>Audio CODEC</b>	G.723	
<b>Simplex/Duplex</b>	Duplex	
<b>Video REC CH Number</b>	8CH Mode	
<b>Display Speed</b>	7.5ips/CH	
<b>REC Mode</b>	Time Lapse, Event(Alarm, Motion), Schedule(Date/Time)	
<b>Play Speed</b>	-64, -32, -16, -8, -4, -2, 0(Pause), Play, 2, 4, 8, 16, 32, 64	
<b>Recording Capability Time</b>	48 hours(8CH Real time) Time Lapse Mode : Max 1625 hours(8CH MODE)	
<b>Video Record Resolution</b>	CIF:60ips	
<b>Search Mode</b>	Recorder Event Search, Alarm/Motion Event Search, Date/Time Search	
<b>Password</b>		
<b>Password</b>	on/off	
<b>Remote Controller</b>		
<b>Remote Controller</b>	Yes	
<b>Storage</b>		
<b>HDD</b>	250G	
<b>BACK UP</b>		
<b>BACK UP</b>	USB 2.0 I/F : Front 1Port - Memory	
<b>CRT Panel</b>		
<b>Inch</b>	19" AML LTM190EX-L31	
<b>Display Type</b>	SXGA a-Si TFT-LCD	
<b>Resolution (HxV)</b>	1280 X 1024	
<b>Brightness(cd/m<sup>2</sup>)</b>	300	
<b>Contrast</b>	1,000:1	
<b>Response Time</b>	5msec	
<b>Viewing Angle Degree</b>	80/80/80/80	
<b>Active Display Area</b>	376.32mm(H) x 301.056mm(V)	
<b>Pixel Pitch</b>	0.294mm(H) x 0.294mm(V)	
<b>Monitor Feature</b>		
<b>Scan System</b>	Progressive	
<b>Screen Mode</b>	4:3	
<b>2D Comb Filter</b>	YES	
<b>Noise Reduction</b>	YES	
<b>PIP</b>	YES	
<b>Freeze</b>	YES	
<b>Under Scan</b>	YES	
<b>HAS Tilt (Lift/Stand/Swivel)</b>	0 ~ 100mm / 0° ~ 23° / -175° ~ +175°	
<b>Power</b>		
<b>Power</b>	AC120V, 60Hz	
<b>Audio Output</b>		
<b>Audio Output</b>	2 W	
<b>Package Composition</b>		
<b>Product Composition</b>	Night Vision Camera SOC-N120(P) : 2EA	NONE
<b>Composition</b>	Weather Resistant CameraSOC-C120(P) : 2EA 60 ft Cable	
<b>Environmental Conditions</b>		
<b>Operating Temperature</b>	0 °C ~ 40 °C	
<b>Storage Temperature</b>	-20 °C ~ 60 °C	
<b>Operating Humidity</b>	20% ~ 85% RH	
<b>Storage Humidity</b>	20% ~ 95% RH	
<b>Dimensions</b>		
<b>Net(mm)</b>	424x220x434(WxDxH)	
<b>Package(mm)</b>	517x382x507(WxDxH)	517x262x507(WxDxH)
<b>Weight</b>		
<b>Net(kg)</b>	7.95	
<b>Package(kg)</b>	14.75	

## Dimensions (unit:mm)

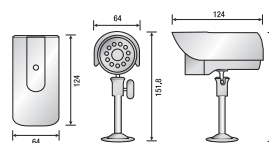
19" LCD with Built-in DVR



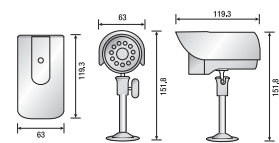
Weather Resistant Camera :  
SOC-C120



Night Vision Camera :  
SOC-N120



Night Vision Camera(Metal) :  
SOC-N121



\* Design and specifications are subject to change without notice.