Functions	CentralStaiton	CentralStaiton Server Edition*	WorkStation	ViewStation	CMS Viewer	Mobile Viewer
Manage networked devices	Yes	Yes	No	No	No	No
Store monitoring data locally	Yes	Yes	No	No	No	No
Admit/Discharge /Transfer patients	Yes	No	Yes	No	No	No
Manage alarm	Yes	No	Yes	No	No	No
Change monitoring devices' settings	Yes	No	Yes	No	No	No
Give visual and audio alarm indicators	Yes	No	Yes	Yes	Only visual	Only visual
Perform real-time monitoring	Yes	No	Yes	Yes	Yes	Yes
Change display settings	Yes	No	Yes	Yes	Yes	Yes
Review online patients	Yes	No	Yes	Yes	Yes	Only events
Review discharged patient	Yes	No	Yes	Yes	Yes	No
Print reports	Yes	No	Yes	Yes	Yes	No



BeneVision™ Central Monitoring System





P/N:ENG-BeneVision Central Monitoring System datasheet-210285X4P-20220125

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System Componer Software	ents	ARR detection	Asystole, VFib/VTac, Vtac, Vent. Brady, Extreme Tachy, Extreme Brady, PVCs/min, Pauses/min, R on T, Run PVCs, Couplet,	Clinical Assistant Ap ST Graphic	pplication ST histogram and ST vectogram	iOS System	iOS 9.2 or above iPhone 6/plus or al
CentralStation	System center which connects bedside devices and other remote access devices		Multif. PVC, PVC, Bigeminy, Trigeminy, Tachy, Brady, Pacer Not Pacing, Pacer Not Capture, Missed Beat, Nonsus. Vtac,	ABPM 24 hours ECG	Analysis and report printouts supported Summary Statistics and report printouts supported	Resolution	iPad mini 2 or abov Self-adaptation
WorkStation	Remote station with interactive capability		Vent. Rhythm, Pause, Irr. Rhythm and Afib	PACE View	Pace Magnifier and Spike Magnifier	nesolution	optimum 1920x10
ViewStation	Remote station with the view-only capability	ST analysis	Supported	EWS	Continual EWS score and dashboard	Number of patient	
CMS Viewer	Windows based remote access software running on PC	QT analysis	Supported	EVVS	Continual EVVS Score and dashboard	ViewBed	View parameters a
Mobile Viewer	Remote access software running on mobile device	Q1 dridiy3i3	Supported	Data Interface		Review	InfusionView, Even
Mobile Server	Service running on standalone server or integrated with	Alarm			Integrated eGateway or standalone eGateway	Events	Alarm events, arrhy
modile server	CentralStation for Mobile Viewer & AlarmGUARD remote access		Physiological alarm, technical alarm, and system prompt	ADT	Support getting patient demographics from ADT system	2.0.16	operation-related
		Priority	High, mediate, low and message		Support receiving admit/discharge/transfer patient	Event Notification	Support vibration
Hardware		Notification	Audible and visual		command from ADT system	2 rene notineation	Support configurir
Main unit	Traditional PC	Remote control	Alarm switch, alarm limits, alarm priority, alarm pause, and	CIS/EMR	Support physiological parameters output		Require Android 5.
	1U Blade Server		alarm reset		Support PDF/XML- format reports output		Not supported by
	Mini PC	Alarm analysis	Support alarm statistics		Support infusion information output		
Display	Display 24-inch TFT LCD screen			CPOE	Support transferring doctor's prescription to connected	Mobile Server Sp	pecifications
	23-inch PCT touch screen	Summary			infusion pumps	Standalone Mobile	e Server
Printer	Network laser printer	Summary Vital Sigr	Summary Vital Sign Summary, Oxygenation Summary, ECG Summary, Ventricular		Support full disclosure output	Operating System	Windows 10 or Win
UPS	1000 VA, 220V / 50Hz	Arrhythmia Summ		ECG System	Support XML-format 12 leads-report output, sample rate of	CPU	4 cores and 2.9 GHz
recorder	3-channel thermal recorder				1000Hz for BeneVision N & ePM series patient monitor and	RAM	8 GB or above
		Review			of 500Hz for other patient monitors	Hard drives	128 GB or above
		Trend review	Most recent 240 hours of tabular trends and graphic	Alarm system	Support alarm events output	Number of beds	Up to 1200 beds ca
Main System Sof	tware Specifications		trends for all parameters	Time	Support synchronizing with NTP server	Number of Mobile	Viewer Up to 500 Mob
Basic		Full disclosure	Most recent 240 hours of full-disclosure waveforms and		Support synchronizing with eGateway		simultaneously
Components	CentralStation(CS), WorkStation(WS), ViewStation(VS)		compressed waveforms		Support synchronization of time to patient monitors and		
Number of devices	Up to 64 patient monitors and infusion pumps per station	Events	Most recent 3000 events, including the parameter name		infusion pumps	Integrated Mobile	Server
	Up to 128 patient monitors and infusion pumps for		and 16-second waveforms before and after an alarm is			Number of beds	Up to 128 beds can
	CentralStation Server Edition*		triggered	Minimum Runtime	Environment	Number of Mobile	Viewer Up to 200 Mob
Devices supported	BeneVision N series, BeneView T series, iPM series, iMEC series,	NIBP review	Most recent 3000 NIBP measurements	CPU	4 cores and 3.0 GHz or above		simultaneously
	uMEC series, PM series, MEC series, ePM Series patient	C.O. review	Most recent 720 C.O. measurements	RAM	16GB or above for 64 beds		
	monitors, VS series vital signs monitors, TMS-6016, BeneVision	OxyCRG review	Most recent 48 hours OxyCRG		16GB for 128 beds (Server Edition)	Network Specific	cations
	TM80/TD40 telemetry, BeneHeart series defibrillator, Infusion	12-lead review	Most recent 720 12-lead analysis results, with 12 analysis	Hard drives	CS: 500G or above	Infrastructure	
	pump: BeneFusion nSP/nVP/nDS/eSP/eVP/eDS, SV series & NB		waveforms for each analysis result		WS/VS: 100G or above	Topology	3-layer network sup
	series ventilators, TEX series ultrasound	ST review	Most recent 240 hours of ST segments	Networking	Ethernet 802.3		networks and dedic
Integrated devices	Mindray & 3rd party devices (such as Ventilators, anesthesia	Historic review	At least 200 discharged patients' data depending on the		100M or above self-adapted	Scale	Up to 1200 bedside
	machines) connected to patient monitors via the BeneLink		storage volume	Graphic card	Support dual or multiple displays		network
	module	Minitrends	Most recent 8 hours for all parameters	Speaker	Built in the host computer or display	Type	Wired, wireless, and
					45 to 85dB alarm tones	IP config	DHCP and DNS sup
Display		Reports		USB port	two or more	·	uality QoS supported
Resolution	3840x2160, 1920x1080, 1280x1024	Style	Paper and paperless (PDF file) report	Operating System	Windows 7/10 or Window Server	Security	LDAP authenticatio
	plays up to 4 displays, 1 display for 3840x2160	Size	A4 or letter		2008/2012/2016/2019		SSL encryption sup
Display config	Up to 64 patients on one display with 3840x2160 resolution	Color	Monochrome, Color	enevr (e	and the	6.6.	McAfee antivirus ap
	Up to 36 patients on one display with 1920x1080 resolution	Туре	Titration table report, hemodynamic calculation report,	CMS Viewer's Spec		Safety	Raid 1 supported
_	Up to 16 patients on one display with 1280x1024 resolution		oxygenation calculation report, ventilation calculation	Operating System	Windows 7/10 or Window Server		Backfilling data sup
Trace	Up to 8 waveforms per patient in the sectors		report, renal calculation report, graphic trends report,	Danalation	2008/2012/2016	\ /: !:	Redundancy suppo
	Up to 12 waveforms for specific patient in the ViewBed		tabular trends report, full disclosure overview report, full	Resolution	Self-adaptation	Virtualization	VMware supported
	window		disclosure detail report, waveform segment report, event	Nousbandon	Optimum 1920x1080	F	
	Up to 16 infusion details for one docking station		report, event list report, 12-lead interpretation report,	Number of patients	View one patient at one time	Environmental S	
	Up to 24 infusion details for two docking stations		multi-lead ECG report, ST report, QT report, Arrh statistics	Review	Tabular trends, graphic trends, events, full disclosure, 12-lead ECG, ST, Arr statistics, OxyCRG	Temperature	Operating: 10 to 35
Dationt coctor lavou	(master-slave mode)		report, OxyCRG report, OxyCRG review report, OxyCRG		12-lead ECG, ST, ATT Statistics, OXYCRG	Llumidity	Non-operating: -30
	ut Normal Screen, Big Numerics		event summary report, OxyCRG event detail report, realtime report, print on alarm report, EEG report, CSA	Mahila Viawawa Ca	if-astions	Humidity	Operating: 10% to 9
viewbed screen lay	rout Normal Screen, OxyCRG, Minitrends, Integrated Devices, ECG Full-Screen, ECG 12- Lead, EWS, Infusion Details, BoA			Mobile Viewer's Sp		Altitudo	Non-operating: 5%
			report, hemoSight parameters report, alarm limits report,	Alaimiduanus speci	ifications System Android 8.0 or above 8 core and 1.8GHz CPU or above	Altitude	Operating: 10,000 ft
	Dashobard, NeuroSight		pace view report, summary report, freeze report, defibrillator selftest report, ECG summary report, vital sign		2GB RAM or above		Non-operating: 30,0
Parameters and Wa	ovoforms						
			summary report, AF summary report, oxygenation	Posalution	32GB or above memory 1280x720 or above		
Parameters	HR, ST, PVCS, QT/QTc, RR, SpO ₂ , PR, NIBP, TEMP, IBP, CO,		summary, ventricular arrhythmia summary strips, CPR report, rescue report, system settings report	Resolution ViewBed	View parameters and waveforms monitored		
	EtCO ₂ , Multi-gas, O ₂ , N ₂ O, CCO, ScVO ₂ , ICG, RM, BIS, EEG, NMT, rSO ₃ , Pump status, parameters from integration		reportrescue report, system settings report	Alarm management		*means for the area	only require CE
Waveforms	ECG, Pleth, Resp, CO ₂ , IBP, O ₂ , N ₂ O, Agent, ICG,RM, BIS,	Calculation		, nammanayement	different priorities, audible and visual alarm.	means for the area	only require CL
νναν <u></u> ΕΙΟΙΙΙΙΣ	pArt/pCVP, EEG pArt/pCVP, EEG	Hemodynamics	100 calculations for review	Review	InfusionView, Event, Graphic Trends, 12-lead ECG		
Telemetry ECG	p/11/2 pc/11, LLO	Oxygenation	100 calculations for review	Android system	Android 4.4 or above		
ECG vector	I, II, III, aVR, aVL, aVF, V/V1, V2, V3, V4, V5, V6	Ventilation	100 calculations for review	, maiora system	4 core and 1.3GHz CPU or above		
Algorithm	Mindray	Renal	100 calculations for review		1.5GB RAM or above		
Algoridani	minoray	Terrar	. 33 Calculations for Tevicyv		1.232 IV IVI OI UDOVC		

plus or above 2 or above

1920x1080 o 32 patients simultaneously

meters and waveforms monitored ew, Event, Graphic Trends, 12-lead ECG ents, arrhythmia events, manual events,

-related events

ribration and sound

onfiguring trigger condition ndroid 5.0 or above

orted by iOS

or Windows Server 2016/2019

d 2.9 GHz or above

beds can be connected simultaneously 500 Mobile Viewers can be connected

beds can be connected simultaneously 200 Mobile Viewers can be connected

work supported, applicable for both hospital

and dedicated networks

bedside monitoring devices for the whole

eless, and dedicated WMTS network

DNS supported upported

entication supported

tion supported

tivirus application (Solidcore Solidifier)

data supported cy supported

10 to 35°C (50 to 95°F) ting: -30 to 60°C (-22 to 140°F)

10% to 90%

iting: 5% to 95% 10,000 ft (3048 m)

iting: 30,000 ft (9144 m)