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To learn more about the new Samsung Camcorders,
or to find your nearest retailer, please visit:
www.samsung.com

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VP-MX20

VP-HMX20



VP-HMX20

VP-MX20

imagine Turning Moments into Memories

A smarter way to shoot. The VP-HMX20 and VP-MX20 flash memory camcorders offer a more exciting approach to home movie making. With longer battery and recording time, they make sure that you never miss the opportunity to record a magical moment and give you more memories to treasure, forever. For more information, please visit www.samsung.com.





The Latest in Cutting-Edge Video Technology

If you are looking for the very latest in advanced video technology, the VP-HMX20C sets the standard. With 1920 x 1080 Full HD, the highest quality video available today, Flash memory for instant start-up with parts-free durability and convenience, a bright F1.8 HD lens, and a light, compact body packed full of useful features and sophisticated technology, the VP-HMX20C lets you do it all, or can do it all for you!



Seeing is Believing – The Reality of Full HD

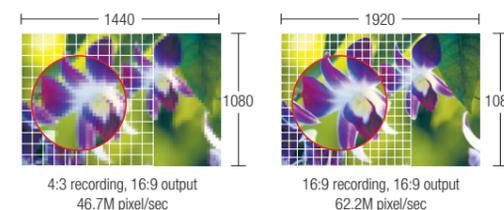
Samsung's VP-HMX20C captures video at today's highest resolution, 1920 x 1080 Full HD. With a full complement of advanced technological features, the VP-HMX20C provides the best image quality available and the ability to enjoy crisp, clear, natural images in a wide variety of formats. The incomparable image quality leaves you with videos so real, they must be experienced to be believed.

[1920 x 1080:
VP-HMX20C]

[Standard Definition]

Full HD is Real HD

The VP-HMX20C takes video at the highest digital visual resolution available today, 1920 x 1080 Full HD. 1920 x 1080 Full HD video means much more visual information, much greater clarity, brightness and detail than ever before. It also means that your video will be an exact pixel-by-pixel match for today's very best large screen HDTVs. The result is life-like video with more natural color and clarity, without the blurring or digital noise you might well be used to.



Progressive HD (1920 x 1080 Full HD)

Samsung's VP-HMX20C delivers the very highest quality video by using progressive scan technology. It records HD quality video in progressive mode (30fps), so that the video is crisp and clear, regardless of how fast moving the subject may be. Progressive scan technology produces smooth images even when videos are played back at 2x, 4x or even 8x the normal speed!

High-Speed Capture for Slow-Motion Detail

With the high-speed capture feature, the VP-HMX20C also lets you take up to 10 seconds of video at an astonishing 300 frames per second (fps), giving you ultra-detailed, crystal clear slow motion playback, useful for analyzing a golf swing, dance movement, or any other motion that is faster than the human eye.



Smoother Video and Clearer Stills

Samsung's Electronic Image Stabilizer (EIS) system gives you crisp, clean images whether you are shooting movies or taking still photos. Sophisticated software is able to detect unintentional camcorder movement and compensate with micro adjustments to the image sensor, resulting in blur-free photo stills and smoother, more natural video.

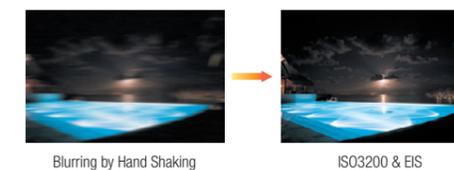
8-Megapixel Stills for Large Format Photos

Samsung's Pixel-Rising technology utilizes a pixel-interpolation filter to convert recorded stills to the equivalent of 8-megapixels, enabling large format (11 x 17 in.) detailed prints of your images. This same technology allows you to enlarge part of an image while retaining extraordinary detail.



As Sensitive to Light as You Are (ISO3200)

Even with just 1 lux of illumination (candlelight, for example) the VP-HMX20C has a High Sensitivity Mode that allows the amazing ISO3200 camcorder to take clear video or shoot 8-megapixel stills. This extra light sensitivity means you get great stills in difficult lighting situations, without the blur caused by longer exposure times.



A Wider, Brighter F1.8 Lens

The VP-HMX20C's wide F1.8 aperture 10x Optical Zoom lens let's more light through to the sensor, giving you rich, bright, detailed images that accurately reflect what you see with the naked eye. The high-performance HD lens is manufactured to extremely exacting standards to ensure minimal image distortion and astigmatic aberration, resulting in the most natural, accurate, compelling video and stills available from a camcorder today.



The Latest Technology and the Greatest Ease

While fully loaded with the most useful and advanced features, the VP-HMX20C is also a triumph of contemporary design. The sleek and stylish camcorder is light, compact, and durable. With Flash Memory, fewer moving parts, a longer battery life, and sophisticated software innovations, the VP-HMX20C makes taking great video and stills much, much easier. Loaded with the most advanced video technology available today, with the VP-HMX20C you can do it all, or let it do it all for you!



Quick Start Helps You Catch the Moment

Never miss another one of life's precious moments with the Quick Start capability. The VP-HMX20C is ready to shoot when you are; just turn it on and go. It doesn't get any easier—or faster—than that! With Samsung's powerful, built-in flash memory you no longer need to waste your time waiting for your camcorder to boot up, read a disk or load a tape. Our new line of camcorders will be ready to shoot in 3 seconds or less—that's 4x faster than a standard DVD camcorder! And with that kind of speed, you won't miss another precious moment.

1, 2, 3 Seconds, Shoot!



Samsung



Conventional

More than Merely Portable

The compact design allows for easy storage and packing so you'll never have to leave your camcorder behind.



Reliable, Flexible and Durable

When it comes to durability, Samsung's flash memory sets the standard. Compared to tape or disk-based camcorders, flash memory contains zero moving parts—less to wear out—resulting in a longer lifespan! The lack of moving parts also ensures that your recorded memories will survive the rigors of spills, falls and everyday mishaps.

Snap While You Shoot with Dual Recording

The VP-HMX20C's innovative dual recording capabilities make it easy to snap a still, even while you are recording a Full-HD movie! Simply press the shutter button as you are taking video and the VP-HMX20C will take a 2-megapixel still without interrupting the video.



A Better, Longer Life

Samsung camcorders run more efficiently than our competitors. The result is lower power consumption and a longer battery life so you don't have to worry that dead batteries might make you miss the most important moment

Recording Time	8GB	
HD (1920 x 1080/50i)	Super Fine	70 min.
	Fine	95 min.
	Normal	120 min.
Battery Time	90 min.	

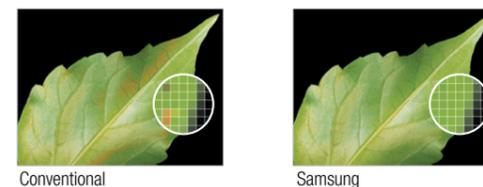
Anynet+ (HDMI CEC)

The VP-HMX20C supports every video output terminal that is currently used by HDTVs: HDMI, Component, S-video and Composite. Plus, Samsung's unique Anynet+ technology lets you to control the camcorder with any Anynet+ enabled TV remote control. And using just one line of HDMI cable makes connection easy while keeping the quality superb; that means you can experience the highest quality digital video/audio on your HDTV without any data loss.



Advanced Noise Reduction

The cutting-edge ANR (Advanced Noise Reduction) system reduces sensor noise dramatically while reserving the original scene, which produces a more vivid and life-like video.



Face Detection for Better Results

With Samsung's Face Detection technology, the VP-HMX20C makes sure that the video you take is the video you want to keep. Face Detection technology is a sophisticated image processing algorithm that automatically detects up to 12 faces within the frame, adjusting focus and exposure to make sure that your video shows your subjects in the best possible light.



Faster, Smarter and Reliable

With the built-in 8GB flash memory, there are no moving parts to slow you down, no tapes or discs to lose, and no Hard Drive to protect. So the VP-HMX20C is ready to shoot when you are, keeps your video in a safe place, and gives you greater flexibility, reliability, and durability when you are out and about.

Take it Easy with Easy Q

Samsung's innovative Easy Q function puts the VP-HMX20C into Full Auto mode to let you relax and enjoy what is happening while the camcorder does the work.



Easy on the Eyes; Satisfying Results

The high-resolution wide-format 2.7" LCD Touch screen makes a huge difference. The 16:9 wide-screen format matches HDTVs so what you see as you shoot will be what you see when you get home. And navigating through the VP-HMX20C's many helpful features is a breeze thanks to the easy-to-use Touch screen.



Swivel Hand-Grip

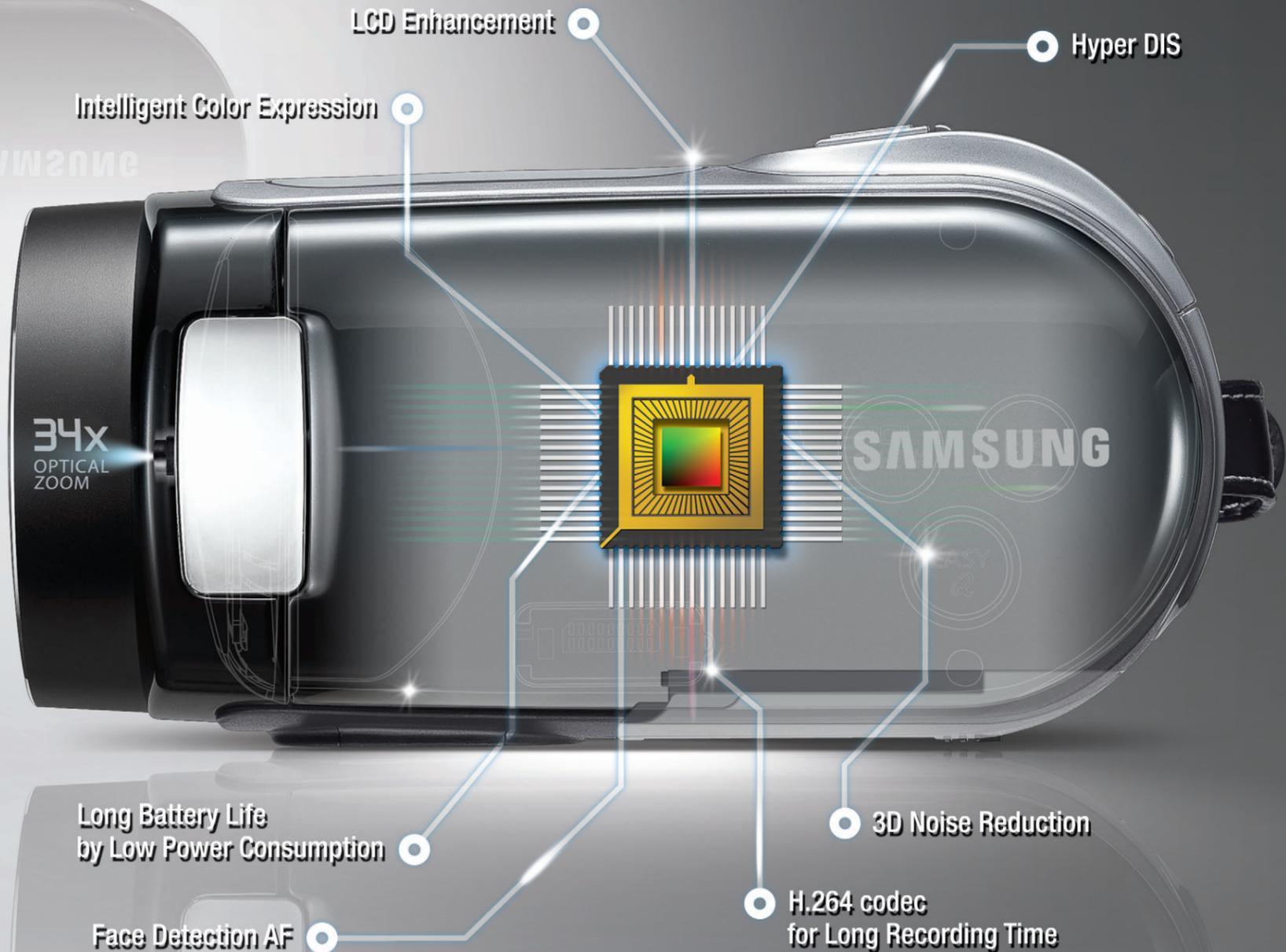
Our unique Swivel Hand-Grip design makes shooting difficult angles a snap. With a flick of the wrist, you can change the shoot angle of the camcorder to take the perfect video every time—all with one hand! The ergonomic design will open new doors to the way you shoot video.



Multi-functional Cradle

The docking cradle is one of the important features that puts Samsung camcorders head and shoulders above the competition. The cradle allows you to recharge the camcorder, use the built-in USB port, and connect to additional AV devices via HDMI—all at the same time!





Shoot and share your memories

Shoot, share, and enjoy easier home movie making with the VP-MX20 flash memory camcorder. Its Samsung chip provides higher quality images and longer battery and recording time. The footage you capture can be conveniently transferred to media players and the web, giving you the opportunity to share your memories with the world.





Digital Video Excellence

The Samsung VP-MX25/MX20 provides you with video footage of such a high quality that it brings your memories to life with vivid, natural beauty. The VP-MX25/MX20's state-of-the-art imaging technologies combine to create a camcorder that gives you the very best of everything; natural color reproduction, image stability, advanced noise reduction, the highest quality lens, and the most pristine video footage you've ever seen.

New Integrated Chip Solution with Samsung Technology

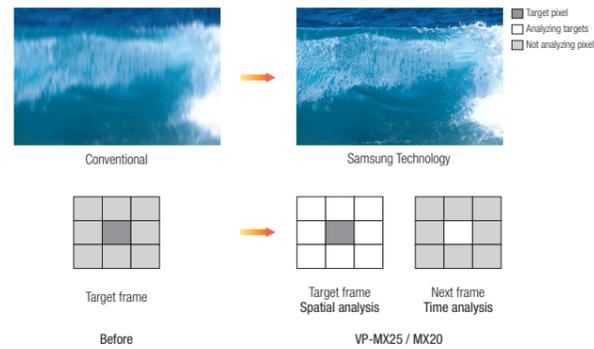
Experience the most naturally beautiful images with new Samsung technology. Advanced Color Expression, Hyper Digital Image Stabilizer, Super LCD plus, and Face Detection Auto Focus combine to make your digital image dreams a reality.

Longer battery life, extended recording time, and higher quality digital imaging are enabled by the VP-MX25/MX20's Samsung chip. By designing and implementing a powerful single chip control system, power consumption is dramatically reduced, allowing you to capture more memories that can be treasured for the rest of your life.



3D Motion Optimizer

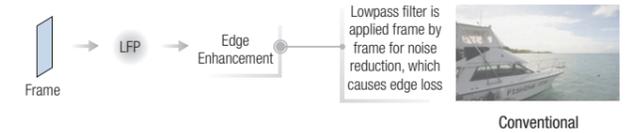
3D Motion Optimizer Processing creates clearer, cleaner images. Unlike conventional 2D processing, 3D processing compares previous and following frames, divides the current frame into pixel blocks, detects noise occurrence, and eliminates it efficiently without filtering the entire image.



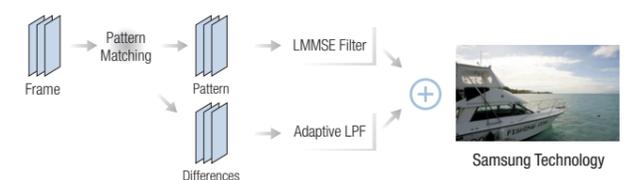
3D Noise Reduction

The VP-MX25/MX20 transcends the boundaries of convention by introducing 3D noise reduction that dramatically eliminates noise whilst maintaining the original edge and pattern of the image. By analyzing motion between the frames, the frames are split into pattern/edge frames and differential frames and are passed through separate filters which maintain the pattern and edge and remove noise. After filtering, the frames are combined once more to make a cleaner, clearer image.

Tradeoff between N.R. and edge loss

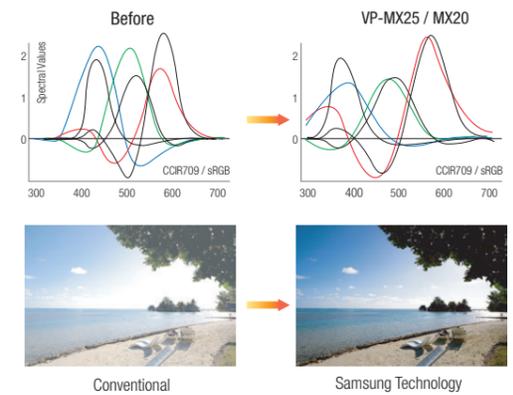


Original pattern is preserved due to pattern extraction between frames



Color as vivid as your memories

Digital Natural Color Processing creates an expanded palette of colors that are closer to those seen in nature. By internally adjusting images beyond RGB into 4 color CMYK spectral color matching, the VP-MX25/MX20 is able to accurately recreate colors that are closer to those your eyes see, closer to your memories, and closer to reality.





Shoot without a care

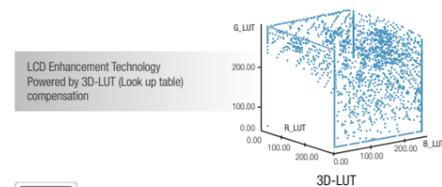
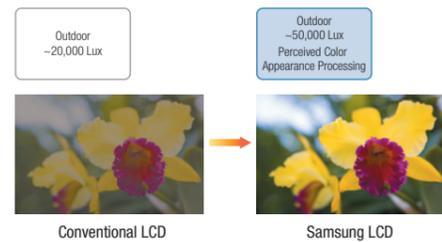
For your convenience the stylish Samsung VP-MX25/MX20 is loaded with powerful features that are designed to make your life easier and your video footage better. The world's longest battery life and recording time are enabled by recording in H.264 codec, providing you with footage that can be played on the H.264 supporting MP3 players and PMPs without transcoding.

Hyper D.I.S

Unstable hands can cause camcorder footage to be shaky and blurred. Thanks to its advanced computational power, the VP-MX25/MX20 realizes precision image stabilizing by multi-directional motion analysis unlike most other digital image stabilizers using bi-directional one. Enjoy clean and steady footage.

Super LCD screen clarity

The VP-MX25/MX20's LCD screen maintains its visibility on even the sunniest of days. With Advanced Outdoor LCD Enhancement, the VP-MX25/MX20 is able to compensate up to 50,000 lux of light, an improvement of 30,000 lux on the industry standard. This dramatic improvement is enabled by an upgraded 3-D LUT (Look Up Table) algorithm that provides images that retain their detail, brightness, contrast, and clarity whatever the weather.



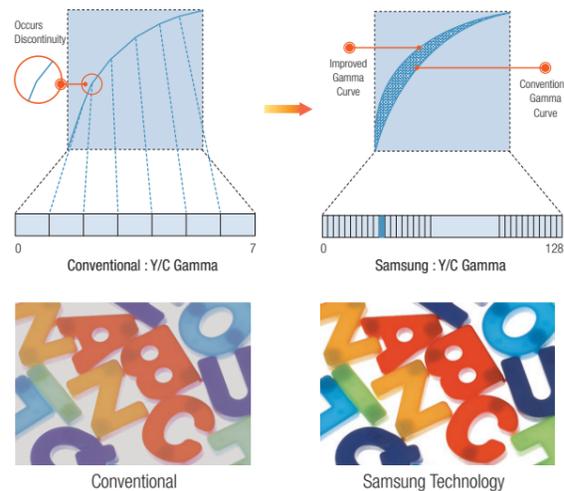
Face Detection AF technology

Unlike conventional camcorders, the VP-MX25/MX20's advanced Face Detection AF technology targets the faces in the screen. With intelligent face detection auto-focus, faces are always focused-on, even if they are not in the center of the screen. Samsung's Face Detection AF enables you to capture clearer, higher quality video.



Upgraded gamma correction

Real, natural color reproduction is enabled by our upgraded gamma correction. Conventional adjustment separates the Gamma Curve into 8 steps but the Samsung chip divides it into 128 steps and adjusts each of the RGB curves individually, to give an exquisitely detailed range of color expression.



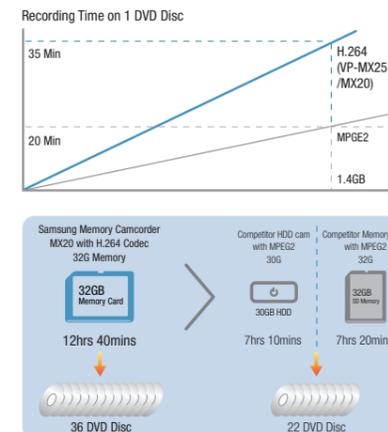
A world class lens, a world class camcorder

The most crucial factor in deciding video quality of a camcorder is its lens. That's why the VP-MX25/MX20 is equipped with a high quality Schneider Kreuznach lens. World famous for premium optics, Schneider Kreuznach lenses provide improved distortion aberration and astigmatic aberration for superior, natural-looking images. With its 34x optical zoom, the VP-MX25/MX20's Schneider Kreuznach lens takes you as close to the action as you could ever want to be.



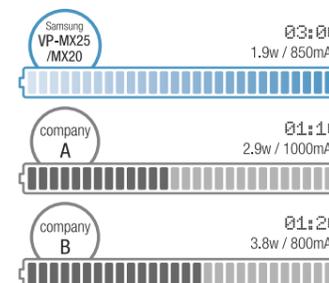
More recording time, more memories to treasure

Enjoy recording the highest quality video footage for longer with the VP-MX25/MX20. Thanks to high performance H.264 Codec, Samsung VP-MX25/MX20 record more of your memories than MPEG2 codec adapted camcorders. Within the same capacity, VP-MX25/MX20 records 1.5 times more than MPEG2 codec. Its compressed video files are faster to e-mail and upload to the web, which makes sharing as easy as can be, with no loss of image quality.



Battery life that won't let you down

With its Long Time Battery, the Samsung VP-MX25/MX20 allows you to record, play, and have fun for as long as you like. Long Time Battery gives an incredible 3 hours of recording freedom (1.9W, 850mAh) compared with Company A's 1 hour 10minutes (2.9W, 1000mAh) and Company B's 1 hour 20 minutes (3.8W, 800mAh), giving you all the time you need to make memories that last a lifetime.



Share your memories, share your life

Sharing your life with friends and family becomes easier with the VP-MX25/MX20. By selecting Web & Mobile mode, you can shoot in a format perfected for H.264 supporting MP3 players and YouTube. The video files recorded by the VP-MX25/MX20 can easily be applied to a transfer program and played on an H.264 supporting MP3 player. The YouTube uploader in the Mediashow software bundle enables direct YouTube upload which bypasses the YouTube homepage.



As stylish as you are

With sensational Samsung style, the VP-MX25/MX20 delivers the most comfortable camcorder experience imaginable. With an ergonomic design that looks as good as it feels, it fits exquisitely into your palm and is held securely in place by the fully flexible swivel grip. With a built-in lens cover, UV coating, easy thumb operation buttons, and secondary zoom and record buttons you can enjoy its beauty with confidence.



Creating home movie magic

Enjoy all the fun of home movie making with the Samsung VP-MX25/MX20. Professional video quality is delivered with a simplicity that enables anyone to feel comfortable. It's easy to use, and packed with intuitive features that allow you to shoot amazing footage with a minimum of fuss. Enjoy all the fun of home movie making with Samsung.



Free style shooting

The VP-MX25/MX20's multi-positional swivel hand grip offers full flexibility and freedom of movement for the full range of shooting positions. The innovative swivel grip allowing you to seamlessly move the camcorder between regular and low level positions, giving you complete control over how and what you shoot.



Intelligent scene setting

The iScene function provides you with specialized recording modes for a variety of scenes, making capturing perfect video footage easier than ever before. iScene offers preset recording environments for Sports, Portrait, Spotlight, Beach, Snow, High Speed, Food, and Waterfall scenes by optimizing the White Balance, Exposure, and Shutter time.



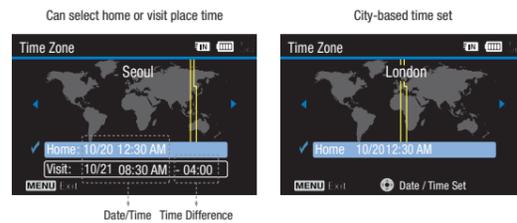
Intelligent check

The iCheck function gives you instant access to remaining battery and storage information without having to turn the camcorder on. Simply press the iCheck button the VP-MX25/MX20 displays remaining battery and storage time on the LCD and then turns off automatically.



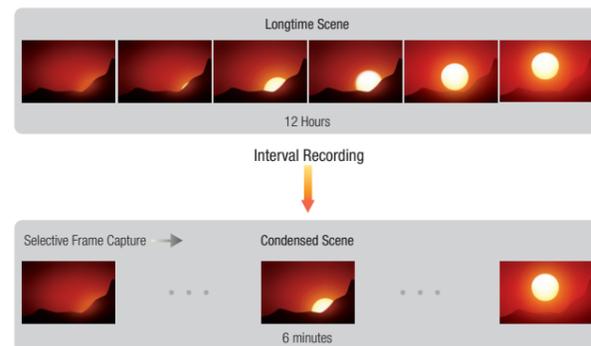
Dual Time Zone function

For your convenience the VP-MX25/MX20 is equipped with World Time Setting. This feature allows you to select the city and time zone that you are visiting without having to change your hometown time setting. Simply select the "Visit" time, select where you are, and when you get home again, just select "Home" and the time will be reset as if you'd never gone away.



Interval Recording

By setting time intervals for frame capture, you can take full advantage of the Interval Recording function. This feature, using selective frame capture enables you to record over an extended period of time so that you can see the effects of long term recording condensed into a shorter time frame. Imagine the passage of clouds through the sky or the sun's descent over the water.



Specifications

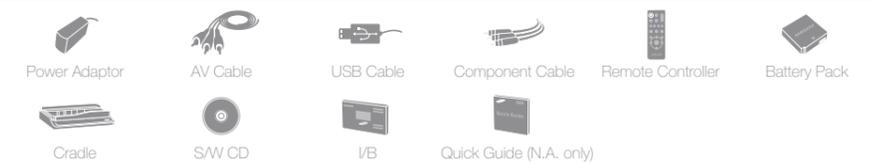
		VP-HMX20C	VP-MX25E	VP-MX20C	VP-MX20
Sensor	Image Sensor	1/1.8" CMOS	1/6" CCD	1/6" CCD	1/6" CCD
	Gross Pixel	6.4M	800K	800K	800K
	Effective Pixel (Movie / Still)	2.1M / 4.0M	400K/480K	400K	400K
Lens	Lens	HD	Schneider Kreuznach	Schneider Kreuznach	Schneider Kreuznach
	Optical Zoom / Digital Zoom	10x / 100x	34x / 1200x	34x / 1200x	34x / 1200x
	F Number	F.1.8-2.5	F.1.6-4.3	F.1.6-4.3	F.1.6-4.3
	Focal Length	f=6.3 ~ 63mm	f=2.3 ~ 78.2mm	f=2.3 ~ 78.2mm	f=2.3 ~ 78.2mm
	Filter Diameter	49mm	30mm	30mm	30mm
	Lens Cover	Built-in(Auto)	Built-in	Built-in	Built-in
	Camera Function	Image Stabilizer	EIS	Hyper D.I.S.	Hyper D.I.S.
Minimum Illumination		1 Lux(Color Nite Mode)	3 Lux	3 Lux	3 Lux
Scene Mode (Program AE)			Auto / Daylight / Cloudy / Fluorescent / Tungsten / Custom WB		
Focus		AF / MF / Touch	AF / MF	AF / MF	AF / MF
Wind cut		O	O	O	O
Viewer	LCD	2.7" / 230K	2.7" / 112K	2.7" / 112K	2.7" / 112K
	Aspect Ratio	16:9 Wide	16:9 Wide	16:9 Wide	16:9 Wide
	LCD Enhancer	O	O	O	O
	Viewfinder	X	X	X	X
Storage Media	Storage Media 1	Built-in Flash (8GB)	Built-in Flash (16GB)	Built-in Flash (8GB)	SDHC / MMC + Slot
	Storage Media 2	SDHC / MMC + Slot	SDHC / MMC + Slot	SDHC / MMC + Slot	X
	Storage Media 3				
Recording Format	Video Format (Flash Memory)	H.264	H.264	H.264	H.264
	Audio	AAC	AAC	AAC	AAC
	Still Picture	JPEG	800x600 JPEG	X	X
Resolution	Video(PAL)	HD : 1920 x 1080 (50i / 25p) SD : 720 x 576	720 x 576 / 50i	720 x 576 / 50i	720 x 576 / 50i
	Still Picture Resolution	8M (Interpolation) 6M / 4M / 3M / 1.5M / 340K	800 x 600	X	X
I/O Interface	USB	O (USB 2.0)	O (USB 2.0)	O (USB 2.0)	O (USB 2.0)
	IEEE1394	X	X	X	X
	AV	O (Output only)	O (Output only)	O (Output only)	O (Output only)
	S-Video	O (Output only)	X	X	X
	component	O (Output only)	X	X	X
	HDMI	O (Output only)	X	X	X
	External Mic. Input	O (Output only)	X	X	X
	PC camera	X	X	X	X
Battery	Model Code	IA-BP85ST	IA-BP85ST	IA-BP85ST	IA-BP85ST
	Capacity	7.4V / 850mAh	7.4V / 850mAh	7.4V / 850mAh	7.4V / 850mAh
	i-check	O	O	O	O
	Battery Time	80min	180min	180min	180min
	Power Consumption	4.1W	2.0W	2.0W	2.0W
System	GUI Language	23	24	24	24
	Accessory Shoe	X	X	X	X
Bundle Accessory	Remote Controller	O	X	X	X
	Soft Pouch	O	O	O	O
	AV Cable	O	O	O	O
	Component Cable	O	X	X	X
	USB Cable	O	O	O	O
	Cradle	O	O	O	X
	Battery	O	O	O	O
	Video Editing SAW	Media Show 4.0	Media Show 4.0	Media Show 4.0	Media Show 4.0
Color	●	●	●○	●○●●	
Dimension (W x H x D)mm	66.0 x 67.2 x 139	60.5 x 60 x 125	60.5 x 60 x 125	60.5 x 60 x 125	
Weight	456g	270g	270g	270g	

Product designs and specifications are subject to change without prior notice.

Recording Time (Flash Memory)	Memory Size	8GB(min.)	16GB(min.)	32GB(min.)
	Super fine(5Mbps)	190	380	760
	Fine (4Mbps)	240	480	960
	Normal (3Mbps)	310	620	1240
	Web & Mobile (2Mbps)	460	920	1840

Bundle Accessory

VP-HMX20C



VP-MX25/MX20

