



Assisting New Daily Life with 5G

Creating New Values

Solving Social Issues



500,000
Subscribers

»»5G

NTT
docomo

DOCOMO 5G - New Endeavors



Network
ネットワーク

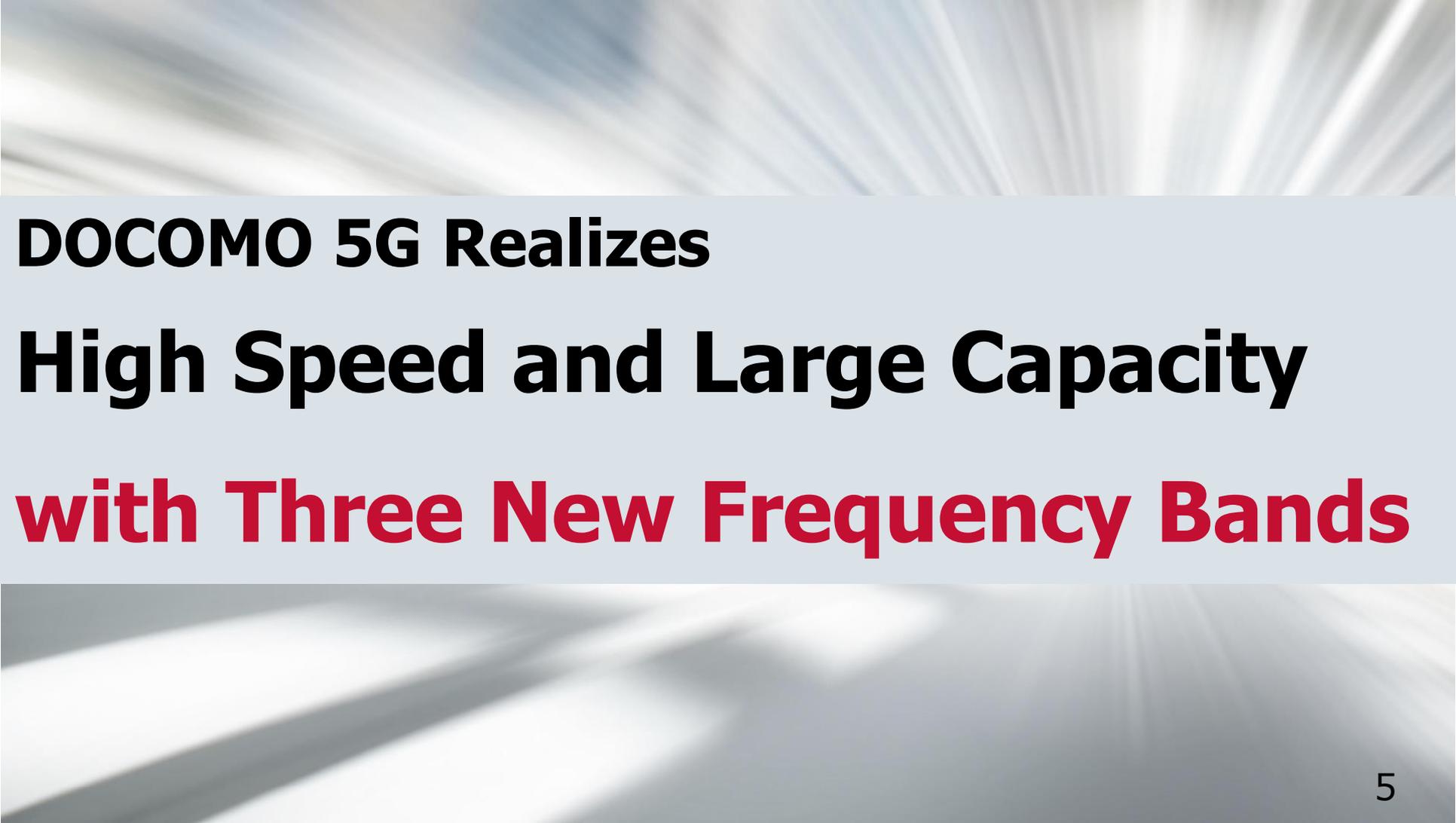
**Solution
Service**
ソリューション
サービス

Device
デバイス

Network

1234-1

Abcd ef ghij lmn opqrstu vwxxyz. Abcd ef ghij lmn opqrstu vwxxyz abcd. Abcd ef ghij lmn opqrstu vwxxyz abcd. Abcd ef ghij lmn opqrstu vwxxyz abcd.

The background of the slide features a dynamic pattern of light rays emanating from the top right corner, creating a sense of speed and energy. The rays are in shades of white and light blue, set against a dark grey background.

DOCOMO 5G Realizes
High Speed and Large Capacity
with Three New Frequency Bands

Lightning Speed 5G

瞬速5G

Aggressively expanded “Lightning Speed 5G” coverage area

(base stations)

500 cities

Including all
government-
designated cities

10,000

20,000

Population
Coverage with
High Speed,
Large Capacity

55%*

32,000

Population
Coverage with
High Speed,
Large Capacity

70%*

March 31, 2021

June 30, 2021

March 31, 2022

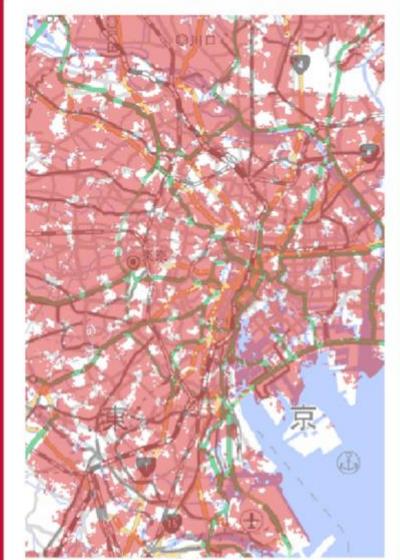
March 31, 2023

*Population coverage with new frequencies

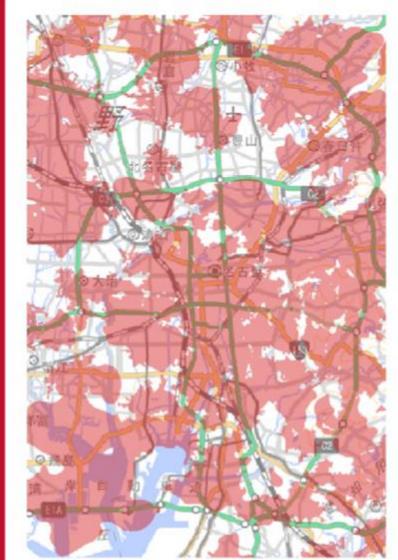
“Lightning Speed 5G” Coverage Expanded Nationwide

Introduced 5G in 5,000 municipalities

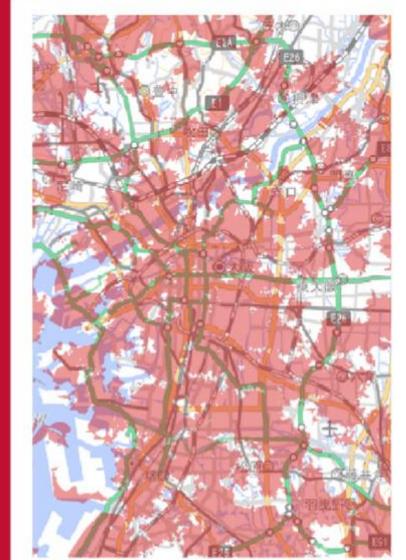
Tokyo 23 wards and surroundings



Nagoya city and surroundings



Osaka city and surroundings



*Planned for March 31, 2022

*Outdoor coverage

*Coverage added to geographical survey tile

Professional baseball and J.LEAGUE Stadiums nationwide included to coverage area in sequence

Stadiums will be in the **5G** coverage area

J.LEAGUE

© KASHIMA ANTLERS



13 Venues
Capacity:
Over 30,000

9/27

Multi-angle viewing and
provision of statistical
data at Kashima Soccer
Stadium

© KASHIMA ANTLERS



**Professional
baseball**



All **12**
Ball Parks

Provision of
Multi-angle viewing
at Nagoya Dome
from October 6

*The actual game image is
captured at Nagoya Dome



Millimeter wave will be implemented in all prefectures by the end of December

Max. download speed:

4.1 Gbps

Max. upload speed:

480Mbps

Wi-Fi STATION



arrows 5G



*Wi-Fi Station SH-52A will support max. upload speed of 480Mbps with software update after December 2020.

December 2020

**5G frequency band carrier aggregation will be supported
Conforming to O-RAN specifications**



Fastest in Japan

*As compared in maximum value in technical standard
(as of October 2020)

A woman in a dark business suit is shown from the waist up, holding a laptop. She is looking slightly to the left of the camera with a neutral expression. The background is a composite image featuring a city skyline at the bottom, overlaid with various abstract digital and business icons such as globes, a calendar, a smartphone, and a person icon, all connected by thin white lines. The entire image has a teal-to-green color gradient.

Solution

Implementation of 5G Solution in Society

A photograph of a classroom with rows of orange desks and grey metal frames. A green chalkboard is visible in the background.

Education

A photograph of a vast green agricultural field with rows of young plants under a bright blue sky with scattered white clouds.

Agriculture

Implementation of 5G Solution in Society

5G Art School Studying Work of Sesshu in Yamaguchi Prefecture

New Viewing Experience with High Resolution Video



Mobile base station



Yamaguchi Prefectural Art Museum

Implementation of 5G Solution in Society

Communicating and carrying over agricultural techniques across generations with remote instruction and the utilization of AI in Kochi Prefecture



Sharing with remote instructor



AI provides voice-activated search results

Mode

Cultivation manual

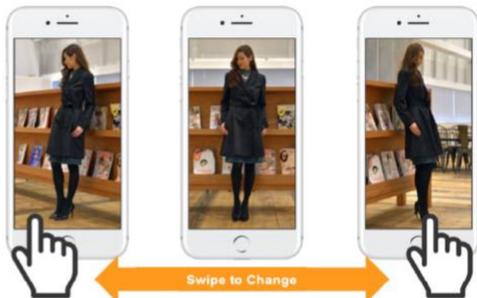
»»5G ^{5G}docomo | 2020
docomo 5G DX AWARDS

»5G docomo 5G DX AWARDS ²⁰²⁰ docomo | 2020



AMATELUS

SwipeVideo



360° free viewing



Telework Robot



Remote-controlled robot that disinfects space as well



Holoeyes MD



Highly realistic surgical simulation



SLAM software by
Kudan/Artisense



SLAM software – eye of robots 17

5G scrum that creates the future of business



5G Masters will accelerate DX through co-creation

NTT
docomo



odakyu

Make Shinjuku More Attractive *XR City SHINJUKU*

 ビックカメラ

 ココカラファイン
ココロ、カラダ、ゲンキ。

あなたと、コンビニ。
 FamilyMart

 Flags

手づくりパン専門店
 HOKUO
SINCE 1979

LAWSON

 マイエキョウ



shinjuku
MYLORD

ODAKYU

 セブン-イレブン

XR City SHINJUKU

**Shinjuku to become a future city to meet
new excitement**

XR provides “*convenience, bargain, and fun*”
throughout the whole town.
The new infrastructure to provide new excitement.





Service



Entering the eSports Market - Establishing the League

For spread/expansion of eSports in Japan

VR/AR

provides viewing experience with high presence and immediacy

»5G
NTT docomo

High speed and Large capacity provides a comfortable playing environment

With high-performance device and popular game titles combined, we will boost Japanese eSports market, creating enthusiasm for many people

Creating a new league



Phase 1 February – April 2021
Phase 2 July – September 2021

League match with 16 teams

**Winning team wins a place
for the world competition**

Hosting competitions



2021

Providing a new spectator experience

Utilization of 5G

First in professional sports in Japan -

Upload the entire video on 5G

View close to players



»5G



Video edited in remote studio



T.LEAGUE

NTT docomo NTT Plala

Enhanced video

Delivery of new sports video with CG/digital effects

Display of ball speed, rotation, landing place



Commentary on technique



Introducing players, performances



360° Commentary with 3D CG



Shintaikan Live CONNECT

First no-audience live distribution of B'z for 5 consecutive weeks !



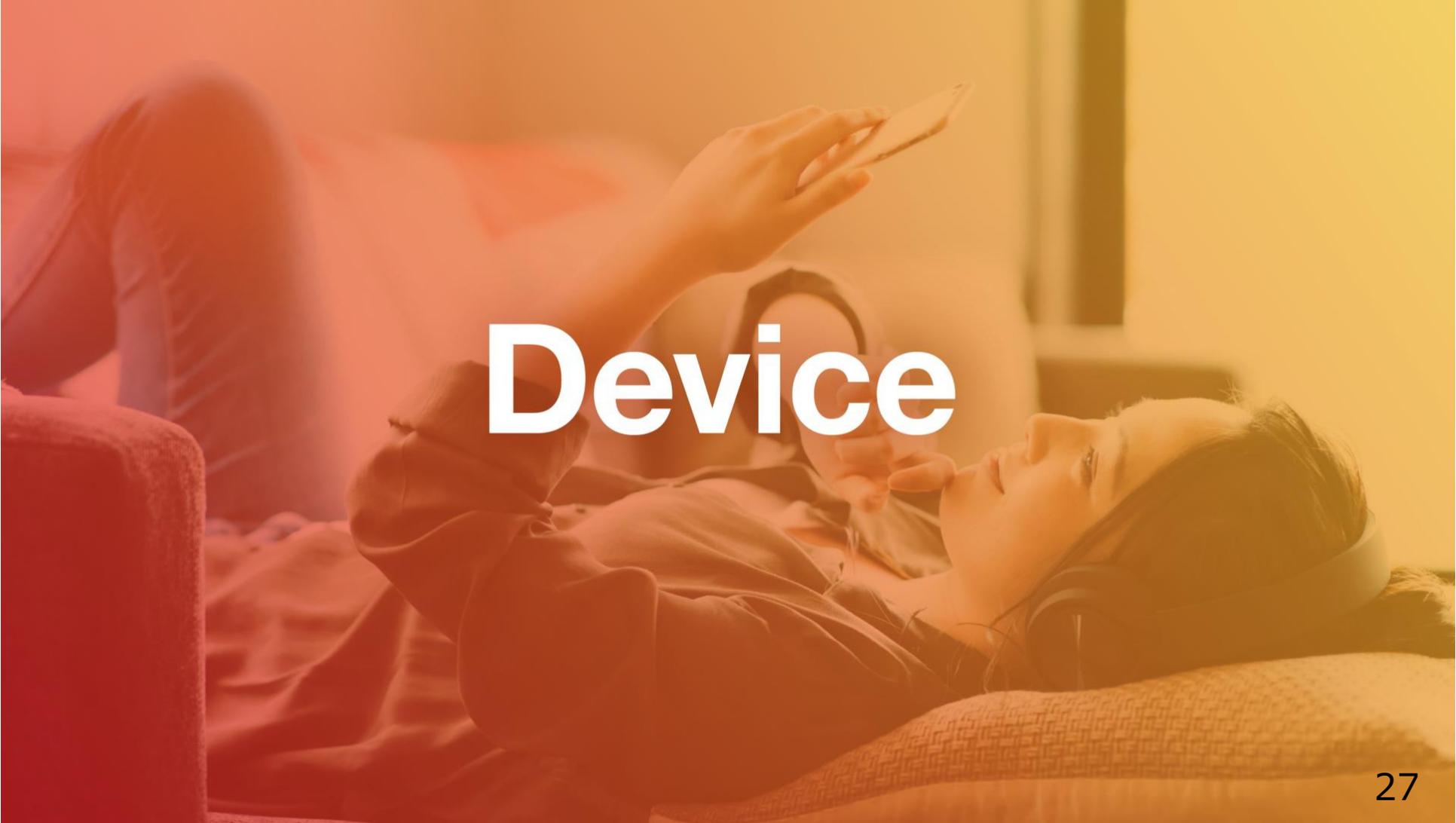
You can earn or use d Point

November 28 (Sat) 19:00
Final concert, Day 5
Live streaming

The live concert
is also available on TV

*You need Google ChromeCast,
or AppleTV, sold separately

B'z SHOWCASE 2020 -5 ERAS 8820- Day1~5

A person is lying on a couch, wearing headphones and holding a smartphone. The scene is bathed in a warm, golden light, suggesting a relaxed, leisurely environment. The person's face is partially visible, looking towards the phone. The overall mood is calm and focused on digital entertainment or communication.

Device

docomo Smartphone (5G)



Standard Models

docomo Smartphone (5G)
Standard Models

docomo Smartphone (5G) Standard Models



High Spec Models

docomo Smartphone (5G)
High Spec Models

docomo Smartphone (4G) Lineup

Galaxy A21



On sale

AQUOS sense4



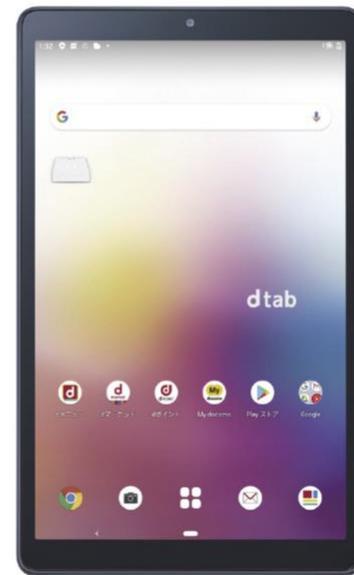
Launched
November 12 (Thu)

Raku Raku PHONE



On sale

dtab Compact



Planned for launch this winter

SuguApp

Convenient function common to
all docomo smartphones

Shake your smartphone
the **apps** display **quickly**

Choose the two you like, and the
smartphone will be more fun to use



Applicable models: 2020 Winter models and Android 11-installed models (planned)

Device rental service: Planned to start in March, 2021

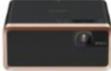


Device rental service planned to start in March, 2021



Rental	Short-term	One day use
	Long-term	30 days use
Purchase of rental items*		After the use on rental, you can purchase the rented item*

* Only some items are available for purchase.
* For purchase of new items, we inform DOCOMO online shop or manufacturer's website

Images provided	Sample product categories and manufacturers planned for rental			
<p>Expand the video experience of 5G</p>	<p>● Camera (e.g. 360°, action, SLR)</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  Canon </div> <div style="text-align: center;">  GoPro </div> <div style="text-align: center;">  Insta360 </div> <div style="text-align: center;">  RICOH </div> <div style="text-align: center;">  SONY </div> </div>			
	<p>● XR HMD</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  magic leap </div> <div style="text-align: center;">  Pico </div> </div>	<p>● Projector</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  EPSON </div> <div style="text-align: center;">  NEBULA <small>by Anker</small> </div> </div>	<p>● Audio equipment (e.g. sound bar, neck speakers, headphones)</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  </div> <div style="text-align: center;">  SONY </div> <div style="text-align: center;">  </div> </div>	
<p>Provide experience not possible with smartphones</p>	<p>● Smart watch</p> <div style="text-align: center;">  GARMIN </div>	<p>● Robot cleaner</p> <div style="text-align: center;">  iRobot </div>	<p>● Partner robot</p> <div style="text-align: center;">  LOVOT </div>	<p>● Observing camera</p> <div style="text-align: center;">  arlo </div>

Planning to expand our devices inventory

Assisting New Daily Life with 5G

Network
ネットワーク

**Solution
Service**
ソリューション
サービス

Device
デバイス

»5G
docomo